Brother Arsènes
list Mur Gr

the Reliance

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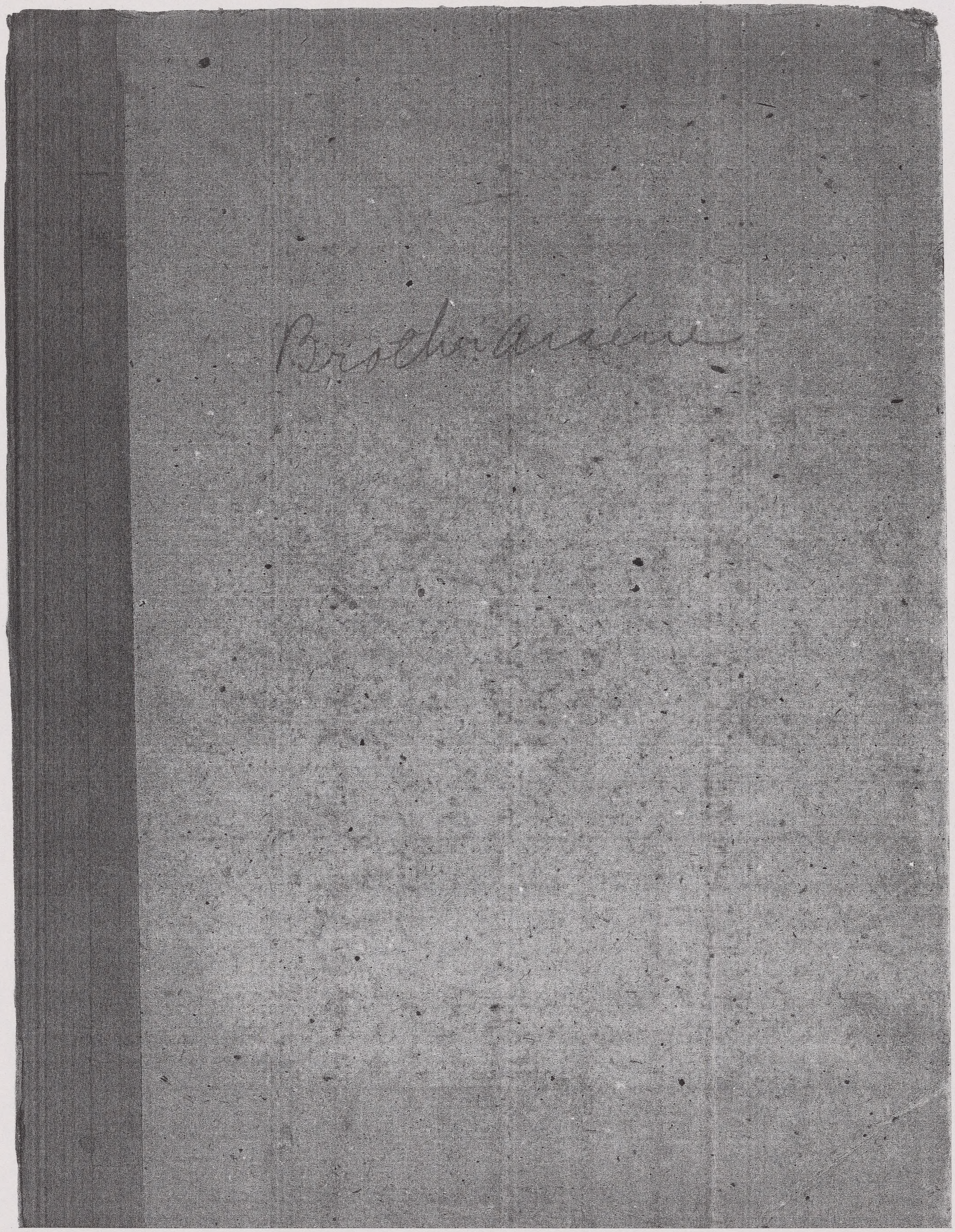
H.-C.

Arsenic - Mss.

Carbons

Paspalum

Arsene Mss.



Sacred Heart Training College

Las Vegas, New Mexico

February 9th 1932

Dear Madam Chase,

First let me thank you and also Professor Hitchcock for "the Grass" and "World of Plants" I received some days ago. Our teacher of Biology jumped literally on these two papers; the similar ~~ones~~ subjects ~~find~~ found in the Manuals being written by persons who, ordinarily, are not botanists; are at times deficient.

Among the Carnivorous Plants are cited the Saracenia... Well! is the fact well established? (It is not a criticism, God forbid!). I have in mind that is is more or less doubtful. — I have not gone in experiment by myself; but at first sight I would place the Pitcher plants on the same level with the many Bromeliacées we see in warmer countries. They contain water between the leaves and many insects are also found drowned in it.— I ask: these decaying insects, do they give nourishment to the plant? - I beg Professor Hitchcock to pardon me for my query.

— Please find ~~under this cover les~~ the Mexican Grasses forming a part of my Catal. Mss. (I am sending them to-day)

I wrote some notes and queries that I pray you to answer at your leisure. I would be sorry to make you lose a precious time upon them. and perhaps some are not worthwhile an answer?

— I collated with care my manuscript with yours. So far it is the only part of my collection which is completely studied. — It is useless I black much paper to tell you my sincere gratefulness for such a long and tedious work. I am not a good writer in English. Mais je vous

remercie du fond du coeur ! c'est tout ce que je puis vous dire....

How many collectors had the same chance ? to see their plants studied in so short a time !... I believe that, for many of them, it is not the case.

Again : many thanks.

— I add to the Grasses the list of the Plants that Bro. Nicolas carried with him in 1914 : this list is the copy of the labels, sent by the Museum (Paris), without any correction or modification. — Please join it and also the Grasses to the Catalogue when you have finished with both.

— It seems that the Contr. U.S.N. Herb have been for the last year, I received only two of them... — I was ignorant of the existence of these " Smithsonian Scientific series ". No indication is given in your tirés à part about price or to whom I have to write for getting them.... Will you be so kind to give me informations on the subject some day.

— So far our winter has been very good. Some cold, snow as usual ; people appear to be satisfied. Spring is not in sight yet !

— I hope Mr. Maxon is again at work at the Smithsonian after this bad spell of sickness. Best regards to him s. v. p.

— Let not Mr. Hitchcock be offended by my first alinea ; I am impulsed by the desire to know better... I present him my respectful salutations.

With my best wishes and earnest thanks I remain as ever

very respectfully yours

Jul. Rousseau.

May 10, 1932.

Rev. Bro. G. Arsène,
Sacred Heart Training College,
Las Vegas, New Mexico

Dear Brother Arsène:

Please pardon my long neglect in replying to your letter of February 9 and in acknowledging the package of manuscript. Your kind Master card reminded me of my neglect, but I went on with the pressing work I have been doing (checking up synonymy of grasses for his Manual) which Professor Hitchcock was waiting for. He has now gone to New York, later he goes to Boston and Philadelphia to study the older collections.

Sarracenia has long been accused of being carnivorous and so far as I know no one has refuted the charge. In Strasburger's Text-book of Botany (p. 216) is the following,

"In the case of other well-known insectivorous plants (Nepenthes, Cephalotus, Sarracenia, Darlingtonia), the traps for the capture of animal food are formed by the leaves which grow in the shape of pitchers (Figs. 45, 191). These trap-like receptacles are partially filled with a watery fluid excreted from glands on their inner surfaces. Enticed by secretions of honey to the rim of the pitcher (in the case of Nepenthes), and then slipping on the extraordinarily smooth surface below the margin, or guided by the downward-directed hairs, insects and other small animals finally fall into the fluid and are there digested by the action of ferments and acids. In Sarracenia and Cephalotus, Goebel was unable to discover any digestive ferments; but in Cephalotus, however, it was possible to determine that the secretions have antiseptic properties."

I had not opened your manuscript until today. You were kind enough to say I might answer at my leisure. I would like to ask your forbearance for another month for I see I shall have to check up by the herbarium. On my last trip to Europe I was able to find some more of Fournier's types and I think a few of the names in your manuscript will have to be changed. I am glad to do this work but we are working hard to get the Manual ready for publication. Besides the editing, marking for the printer, and the like, which falls to me, I am still to make many drawings of spikelets.

There have not been many Contributions from the U. S. National Herbarium lately. The "Smithsonian Scientific Series" is a commercial publication designed to make money for the Smithsonian endowment. It is sold by subscription at a very high price. The authors were permitted to buy reprints. Pro-

fessor Hitchcock and I spent for reprints all we were paid for writing the articles (this was not official work) and have distributed most of them. Unfortunately there are none for sale. It is a pity but the "profit motive" for however worthy a cause, does not take account of the best use of the produce.

Mr. Maxon seems to be very much better this spring and is working steadily.

Professor Hitchcock could never be offended by questioning a statement. He is now in New York or would send his regards. With best wishes for your health,

Sincerely yours,

Agnes Chase, Associate Agrostologist.

Office address: Smithsonian Institution.

p. 181

Catalogue of Mexican plants
collected
by Bro. G. Arsène etc.

Pars II. pp. 181 to 209

Gramineae

(With the rest of the catalogue).

(1932)

Sacred Heart Training College

Las Vegas, New Mexico

February 1932

Observations and Queries about the Grasses (Bro. L. Arsène).

The list of the Plants brought with him to France in 1914 by Bro. Nicolas, which are now in the Muséeum d'Hist. Nat. at Paris, permits to discard some species received by the National Herbar. at Washington under labels of the "Comptoir"" Plantae Mexicanae".

At the beginning of the Gramineae I put the Grasses which are mentioned in this list received from the Muséum. The remainder of the list shall go with the Catalogue Mss.

I consider as false the species indicated further because:

a/ these plants were not given as duplicates to Bro. Arsène by Bro. Nicolas;

b/ they are not inscribed in any list received either by Bro. Nicolas or Bro. Arsène;

c/ they are not present among the specimens received by the Institt. Botan. of Montpellier;

d/ they are not in the list of Nicolas' Herb. received from the Muséum (Paris).

e/ and you made reserves about their range.

Catal. p. 182 Andropogon bicornis L.

188 Paspalum vaginatum Swartz

" unispicatum (Scribn & Merr.) Nash.

189 Panicum yadkinense Ashe

194 Aristida tuberculosa Nutt.

The other exsiccatae marked [??] in the Catalogue could not be

~~well~~ identified with our plants with absolute certainty. They may or may not be ours. The redaction of the Comptoir's labels is, at times, so mixed and upset that one cannot recognize the original redaction.

I thought that, perhaps, they may remain on the Catalogue because the same species having been collected by us or others in the same region, their presence in the list does not affect the area of dispersion.

Is that also your opinion ?

Perhaps a Note upon these suppressed species would be useful to make them disappear from the Mexic. Botan. literature. Yet it might be sufficient to call the attention on these plants in the new edition of Mexican Grasses.

Cat. p. 186 I made the list of Paspalum taken from your Revision. At the end are listed 8 exsicat. that you did not examine ; 5 exist at Montpellier, the 3 other are Nicolas' exsic. at Paris.

Cat p. 206 I wrote a list of Eragrostis showing the correspondence between the specimens Nicolas I know.

I add two maps (memory work) to show the approximate situations, around Puebla and Morelia, of the places where our plants were collected. — In both localities the Northern part was not explored : at Puebla on account of the insecurity of the region near the Malintzi ; at Morelia because it is not attractive

enough and too desertic for my companions of excursion.
To-day I feel much not to have insisted to go there, at least a few times.
Notice how limited were our excursions at Puebla: ordinarily half a day walk. — Those around Morelia covered a larger area: a full day walk.
The Map for Puebla indicates only the direction of the localities without any pretense to place them exactly to scale; 23 years have elapsed from my departure (Déc 1908).
Morelia, traced for a paper (Feuille Fossiles), is more exact but in both instances I had no chart to guide me.
I found in "Biblioteca Botánico-Mexicana, by Dr. Nicolás León (1895) that most of these localities have been visited in the past by botanists of standing: Mociño, Humboldt & Bonpland, Galeotti, Funk, Hartweg, Pringle... have passed there, some even made a sojourn of several weeks. La Llave was a Canon of the cathedral at Morelia and Lexarca spent his life there!

In collating your manuscript with mine I noticed some queries not answered. They were made by M. Daveau; he is no more here, but I would be grateful to learn myself what is the answer — if you have not to take much trouble to make it clear for me! If the thing is useless, please, let it aside!

Cat. p. 189 Panicum stramineum Hitch. & Ch. No. 2985 — M. Daveau asked if there is not some error, for this specimen 2985 is "nettement different" from Langlassé 263 cited. (North. Am. Sp. Panic. p. 478 Nr. 24).

[I surmize by a foot-note the 263 Langlassé for being a critical specimen; the Revision, p. 74, making it intermediate between P. filipes and P. hallii. Fide.]

Cat. p. 192. *Phalaris caroliniana* 5725 (Montp. possesses another: Nic. 5469)
By the note Daveau, you see that he believed his specimens to be *Ph. minor* and he could not make out the *Ph. caroliniana* Walter: "diagnose insuffisante."

p. 194 All specimens of *Stipa clandestina* Hack. are parts of 3441 and 3467; collect. Bro. Nil et Saltillo.
Hackel put wrongly "Prope Michoacán" in the description (Fedde, Rep. 1910)

" *Stipa tenuissima* (Synop. *Stipa* p. 259) Arsène 3469 was collected by Nil.

p. 196 *Muhlenbergia longiglumis* Vasey [??]
I made small collections in May 1909 on the 2.ad 4.th, 5. 15, 25.th I do not find any on the 30.th (but I have not all records!)

p. 197 *Muhlenbergia affinis* ex Montpellier, Dec..., a list marked X (present à Washington)
You did not mark these with your dot, yet they have been at Washington, since I had to write 78 labels for Mr. Standley. (I wrote the number of labels for each in a small circle ①, ⑥.... Probably the package was mislead!)

p. 199 et 200. *Epicampes*.
M. Daveau, at several years interval, wrote 2 notes (they are three) & the notes are in the Catal.
What is that *E. gigantea* about which he spoke twice?

p. 199 *Sporobolus radians* Author, please.
You have not seen this genus. If it were useful, Montpellier could send specimens in communication, I believe.

p. 205 *Leptochloa dubia* H.B.K
I notice that the seeds cultivated at Montpellier as coming from Saltillo are, in all probability, from Monterrey.
No specimens of *Leptochloa* received from Saltillo, but from Monterrey.

For the genera of grasses that did not come back from Mexico, i.e:
Lycurus, Sporobolus, Eragrostis, Eatonia, Senites, Distichlis, Briza, Poa, Glyceria, and Festuca and are listed in the Cat. (not all certainly), would it not be good, before making the list to be published in Mexican Grasses, to see the exsicc. existing at Montpellier, at least those whose name may appear to you open to criticism?

(Publication of Mexican Plants)

In 1906-1908 I saw also in the Catholic Seminary at Puebla (Seminario Conciliar) about 50 packages of plant well preserved, most of them to be named. Probably interesting.

With all these revolutions (since 1910) are they yet existing?

These plants at Puebla were old.

Since my departure from Mexico (1914) some Bros. have collected a little there. Would it not be useful to see their Gramineae for adding them to the Mexic. Grasses in préparation ?
Have the kindness to send me a word about this matter and I will try to get them.

Scleropogon brevifolius Philippi ♂, collected in 1907.

I was told in 1908 that only the ♀ was known (at the time ??)
Mr. Hitchcock showed me ♂ and ♀ at Washington, and I found both abundantly in New Mexico.
Was the above statement exact ?... Bro. Hériland did not surely find this by himself... He must have repeated what Haekel or Daveau wrote to him ,??.

Dr. Pennell told me that the celebrated Comptoir who distributed the Plantae Mexicanae was not, probably, Weigel, but Reineck (since dead.)
I do not know more about.
The only one who could give me some informations, after the death of Bro. Hériland, & about the Comptoir or Comptoirs to whom Bro. Hériland was sending the plants, was himself on his death-bed ... He could remember only Reineck (whose name he could not spell), having brought packages & bearing such a name. to the railroad.
Are you better informed ?

You are preparing a new Mexican Grasses. The following may, perhaps, interest you.
In 1913 I visited the fine collections preserved in " Museo de la Comisión Geográfica-Exploradora " at Tacubaya.
I noticed in a room annex, whose door was ajar, an herbarium of regular size (in disorder) and asked what it was. — "Es el herbario del Sr. Pablo Maury ." — That was all !... — I could not see more, in spite of my burning desire !....
In Dr. Nicolás León (loc. cit.), it is said, p. 366 : " Anexo a él (Museo) " se conserva un herbario de regular importancia y en su mayor parte " formado por el Sr. Maury ..... "

In the same page 366 we read: "
" Mr. Pablo Maury. — De origen francés y empleado del Jardin des Plantes
" de Paris. En Marzo de 1890 llegó á México y fué nombrado botánico
" de la Comisión Geográfica-Exploradora. Hizo excursiones botánicas
" á los Estados de Michoacán, Hidalgo, San Luis Potosí y Tamaulipas.
" Sus colecciones se conservan en el Museo de la Com. Geog.-Expl. y
" en el Instituto Médico Nacional.
" Murió en Coyutla el 25 de Diciembre 1893."

I never saw any plant from Paul Maury cited.
Even the "Catálogo de Plantas Mexicanas (Fanerógamas) del Dr. Manuel Urbina (1897) does not give any specimen collected by the Comisión Geog.-Expl.., yet León says that a collection of Maury's is at the Instituto Médico Nacional!
My conclusion is that the plants were not studied.
I was told the Museo de Tacubaya has been removed to México ....
Probably to the Museo Nacional??

This herbarium must contain Gramineae together with other most interesting plants. I surmize that Paul Maury working with the Comisión Geog.-Expl. and in time of Don Porfirio Díaz could collect plants in places where other botanists cannot go. And most probably there exsiccata would give a good addition to our knowledge of the Mexican Flora.

You are in a position to inquire about .... my poor self could only glance at the packages through the partly open door.!!
I have asked to the Museums if they have received duplicates.

Cat. p. 182. Andropogon citratus ... seems to be Cymbopogon nardus (L.) Rendle (A. nardus L.), I found this name in the Flora of Yucatán (Standley); It is said that the plant never flowers in Yucatán. — This is one of the characteristics given to me by Dr. M. Solorzano when he called it And. citratus.

Cat. p. 208 b Note on Bromus.

Febnary 1932.

Not being longer a young man I think it is good to leave in writing the following references which may be of use for the Catalogue or to those who might consult these Notes.
Actually we know pretty well what has been collected, exception made for the Genera which have remained somewhere in Mexico (Even to day I do not believe they have been destroyed!) — These packages would have furnished a number of exsicc. which are not inscribed on the Catalogue. Perhaps also their critical study would have been useful.
The bulk of the Collection is in the U.S. Nat. Herb. at Washington. The work of revision continues. I believe that much has been done, I was told that a record of it is kept!

— Many specimens at Montpellier are also sp? and wait for determination, since the death of Mr. Daveau. —
I do not know the number of exsicc. sent there; some 9000 if I believe what Mr. Le Gendre wrote printed. I was under the impression that their number was smaller since all, unfortunately, were not sent there.

— The 117 packages received by the Muséum at Paris remain to be named if the informations receiv given by Clermont-Ferrand are exact.

— I inscribed on my copy of the Catal. all the names applied to my plants in the Reviews or Papers that came to my knowledge. Unfortunately their number is very small; yet I know that exsicc. which are, for instance, in the Gray Herb., S. Louis (Missouri)... have been studied and some articles published.

I have also on my copy the last names forwarded by Mr. Daveau; these names were received after I sent the copy to the U.S. Nat. Herb., so they are not on your copy at Washington.

And now, that we have the list of the plants carried with him by Mr. Nicolas it is relatively easy to see which specimens, distributed under the labels "Plantae Mexicanae" are genuine.
It would be a mistake, I believe, to follow to the letter the advice given by Mr. Standley in Science (Feb. 4. 1927): "It is best to destroy all plants bearing such labels". — Those that we have really collected may be identified for a great part at least. Among the many thousands specimens distributed as Plantae Mexicanae we know to-day a large number are authentic.

I had, by mode of distraction, the curiosity to make a comparison between the plants listed in my Catal. and those of "Catalogo de Plantas Mexicanas (Fanérogamas)" arreglado por el Dr. Manuel Urbina (México 1897)
The number of Phanérogams given by Urbina is 2993 (among which 173 Sp.?)
Actually I have inscribed in the Catalogue some 2137 names of Phanerogams.
Of these 2137 — 839 are in both enumerations — 1298 are in mine and not in Urbina's.
We must observe besides that Urbina's Catal. is based principally on the Collections of: Peñafiel (State of Hidalgo), Schaffner (St. of S. Luis Potosí), Barcéna (St. of Jalisco), Urbina (Valle de Mexico) and Pringle (Several States); in fact the plants were collected upon a large area of the Mexican Republic. A few only where I have worked.
The species of this Catalogue were collected (approximately) in:

State of Puebla:	1203	the following collected by others than Bro Nicolas or myself (collector given)	
" Tlaxcalá	95	State of Coahuila	196
" Michoacán	1341	St — Nuevo León	202
" Querétaro	264	St — Vera Cruz	9
Federal District	305	State of Mexico	7

To sum up, the Catalogue almost complete of the Collection may be established with the help of:

a/ The plants received by Montpellier. It is likely that very few of them (except Sp.?) are not inscribed on the Catalogue. Many, on the contrary, which are listed here are not at Montpellier. The Why has been written elsewhere. I think that M. Daveau put annotations on his copy of the Catalogue.

b/ The plants in the U.S. Nat. Herbarium, where almost the totality of the specimens is represented. The genera not well represented at Washington remained in Mexico; their list is given at the beginning of the Catalogue. (I repeat it, corrected, a little further)

c/ In the Herbarium of Prince Roland Bonaparte (à Lyon?). I never could know exactly what he bought (as an alms) from Bro. Héribaud. I know he was anxious to get the Ferns ... and always in several exsiccatæ.

d/ At the Museum d'H^re Nat. Paris. — The 117 packages given in 1930 which probably shall help to determine a number of the Sp.?.

Moreover in case of necessity for a given species, one may get in communication some of the specimens I distributed when in México, if the exsiccata are yet existing. I possess their list with the names imposed at the time of distribution.

1 — At San Borja — — — about 1450 plants
2 — Morelia: Museo Michoacano 500 "
3 — " Seminario Conciliar 420 "
4 — " Instituto del Sagrado Corazón 500 "
5 — México: Herb. Inst. Mac. Med. 115 ferns
6 — Cuernavaca: Museo — — — — — 105 "
7 — Sta Fe S. Miguel College — — — — — 450 pl.
(Nobody could ever tell me how these 450 plants given to Querétaro have reached Santa Fe!)

— The duplicates distributed by Mr. Standley as follows:

Missouri Bot. Garden	3250
Gray Herbarium — —	1475
Arnold Arboretum, trees	370
Univ. of Illinois	1400
New York Bot. Gard.	2000
Carnegie Inst. Pittsburgh	525
Field Museum	275
México (Museum?)	725
and others 360, 270, 205, 205	

I have spoken about the collection Paul Maury where perhaps some good plants may be found. (see p.)
I remember also an old herbarium, 50 packages, which existed at the Catholic seminary of Puebla. Well preserved. May contain interesting material. But with all the succeeding perquisitions ??...

I am happy to state that, thanks to Dr. Bouly de Lesdain, the complete collection of Lichens (in his hands) has been studied and published. (Washington is not complete)
Mr. J. Theriot did the same for the Mosses which reached the Smithsonian, some 250 Nos are missing. The only complete collection was stolen from M. Cardot during the war.
The Hepaticae are always in the hands of Mr. Corbière for study (the part which came back from Mexico at Washington)

I copy again the list of the Genera which remained in Mexico and did not ingress into the U.S. Nat. Herb. (Following Durand's Index)

Genus 1208 Ximenia to genus 1350 Adolphia;
1997 Acacia.
2069 Rosa --- to 2102 Heuchera;
2402 Monochaetum —— 2512 Lagerstraemia;
2740 Hydrocotyle —— 2799 apium;
4603 Vinca to 4780 Orthosia;
4972 Bonplandia to 4998 Ehretia;
5082 Convolvulus to 5142 Datura;
5900 Maurandia to 5224 Berendtia;
5687 Verbena;

Comp. { 3450 Stevia (a large series, 2 packages);
3908 Florestina to 3923 Dyssodia;
3926 Hymenatheeum to ~~3928~~ 3929 Bagetes;
4025 Senecio; (half of the collection);
8099 Lycurus to 8111 Sporobolus;
8212 Eragrostis to 8254 Festuca;
7610 Juncus.

Ferns (Alphabetical Classification)

Adianthum to Ceropteris;
Elaphoglossum to Ophioglossum;
Polypodium (half of the collect.)
Phanerophlebia to Woodwardia.

Plus a large number ~~for~~ of plants, last year in Mexico; several packages.
And other plants never sent to determination. Most were in single specimen ...or very few.

N

Not visited

Manzanilla

Río, ordin. dry, barranca

Puebla

Route de Mexico

Route de Puebla

Vers Amozoc & Vera Cruz →

Est

Nevado de Toluca

barranca

+ Hda Alcomun

x R. Cristo

x Sta Barbara

C. Tepoxuchitl 2350 m

Réputé calme par visiteé

Río Atoyac

x R. Batán

Chiquihuite

10 ou 12 km de Puebla

Chalco 15 Km

Amecameca

Iztaccihuatl

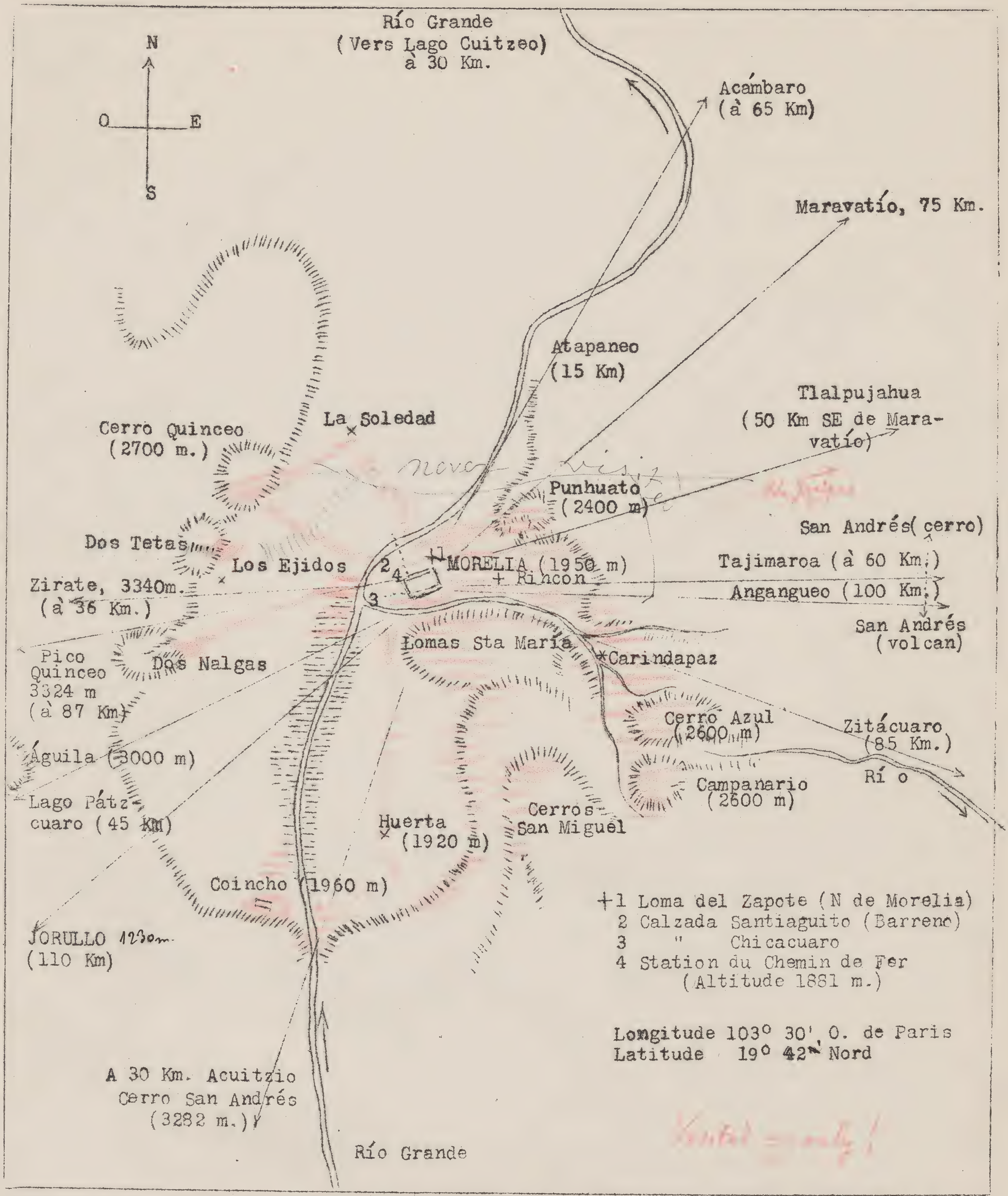
Popocatepetl

Río Atoyac

Divers lieux autour de Puebla où nos herborisations limitées ont été faites. (Plan tracé de mémoire, il y a 24 ans que j'ai quitté Puebla) (1932)

Montado ≡ only!

S



Croquis approximatif des environs de Morelia (Echelle environ 5mm par Km)

Finitta.

Erratum: à corriger

page 212.

Dioon edule Lindl. — I made an error in writting
" M... La Escalera près Morelia 1911 " Common
I had in mind Brahea dulcis when I added this
line. It would be useless to look for Dioon in
that region!

Catalogue of Mexican Phanerogams and Vascular Cryptogams collected by Bro. G. Arsène, etc.

2nd Part. Pages 181 to 209.

Gramineae.

Thanks to Mrs. Agnes Chase this part has been completely studied, so far, for the Specimens present in the Grass Herbarium.

Déc. 1931

(Please insert these pages in their proper place in the Catalogue.)

Graminées

Extrait de la liste des Plantes du Frère Nicolas remises au Muséum d'Hᵗᵉ Nat. de Paris (Mars 1928)

Copie de l'étiquette attachée à la plante (à Paris).			Essai d'identification avec les Plantes du Catalogue
Triticum sativum L.	San Baltazar	11.3.1911	absent au Catalogue
Aristida spadicea H.B.K.	Rancho Posadas	10.8.09	#277, Aristida arizonica Vasey, Cat. p.194
— coarctata H.B.K	"	25.9.09	sans Nº " spadicea p.194
Avena fatua L.	"	4.3.09	75 p.201
Bouteloua triathera Benth.	"	1.8.09	224 Bouteloua curtipendula (Mich) Torr. p.203
— oligostachya Torrey	"	27.7.09	207 — hirsuta Lag. p.204
— bromoides L.	"	25.9.09	354 sp.? p.204
Briza spicata H.B.K	Cholula: Teocalli	14.7.10	sans Nº peut-être B. rotundata? p.208
Buchloe dactyloides Engel.	R. Posadas	11.6.09	166 Bulbilis dactyloides (Nutt.) Raf. p.205
Bromus Porterii Nash.	"	10-8.09	pp. 270a Bromus exaltatus Bemh. 270b B. pendulinus Lessi p.208
Chloris barbata Sw.	"	20.9.09	336, Chloris orthonoton Doell. p.202
— submutica H.B.K	"	1.6.09	160 p.202
Cenchrus spinifer Cav.	San Cristo	12.12.09	5057 Cenchrus pauciflorus Benth p.192
Deyeuxia triflora Kees	Cholula	15.9.10	5474 Trisetum deyeuxioides Kunth p.201
Diplachne dubia Kenth.	R. Posadas	10.8.09	268 p.205
Distichlis prostrata Dew.	—	20.6.09	5179 = 524 (à Montpellier). p.207
Eleusine scabra Fournier	—	20.6.09	174 Eleusine indica (L.) Gaertn p.204
Elionurus ciliaris H.B.K	—	3.10.09	? sans Nº, plutôt E. barbiculmis Hack. p.182
Epicampes macroura Benth.	Sta Barbara	15.9.10	5467 p.199
— robusta Fournier	Cerro Guadalupe	20.8.10	5436 Epic. pubescens (H.B.K.) Presl. p.200
— stricta Presl.	R. Posadas	8.9.09	303 E. robusta Fournier p.200

				Catal
Eragrostis mexicana Link	Camino S. Baltazar	16.9.10	sans N° j'ai 15.9.10	p.206
— atrovirens Desf	Cholula, tecalli	14.7.10	sans N°	p.206
— lugens Nees	R. Posadas	25.9.09	sans N°	p.206
— pilosa var. pauciflora Dav.	- Jr.	10-8.09	~~sans N°~~ 274	p.207
— neo-mexicana Vasey	Laguna S. Baltazar	18.9.10	sans N° E. mexicana	p.207
— minor Host. v. condensata Hack.	R. Posadas	10-8.08	sans N° 10.8.09	p.207
Festuca	Sta Barbara	16.7.10	sans N° Festuca hephaestophila Nees	p.208
Hilaria cenchroides HBK	R. Posadas	15.8.09	284, j'ai 15.8.10	p.185
Hordeum pratense Huds.	—	4.3.09	76, Hordeum adscendens HBK.	p.209
Festuca Myuros L.	—	15.10.10	sans N°	p.208
Leersia hexandra Sw.	Laguna S. Baltazar	18.9.10	5472 Homalocenchrus hexandrus	p.192
— mexicana HBK.	R. Posadas	15.10.09	400 — Jr —	p.192
Lolium italicum Br.	—	20.9.09	394. Lolium perenne	p.209
Lycurus phleoides Kunth	Coyoacchitl	17.12.10	sans N°	p.198
Mikrochloa setacea R.Br.	Santa Barbara	16.7.10	5270 Microchloa indica (L.f.) Kuntze	p.201
Muehlenbergia calamagrostidea Kunth.	Puebla: S. Pedro	10.11.10	5556 M. quitensis H.B.K.	p.196
— affinis Trin.	Cholula	15.9.10	5473	p.195
— implicata Trin.	R. Posadas	10.8.09	sans N°	p.196+
Panicum deciptens Nees	San Baltazar	1.8.09	~~27~~ 217 P. cupreum Hitchc & Chase	p.188
— melioides Nees	R. Posadas	27.5.09	98 Muhlenbergia plumbea Hitchc & Chase	p.196
— bulbosum HBK.	— Jr —	8.9.09	304, j'ai Sta Barbara	p.188
— Zelayense Stend.	Cholula, tecalli	14.7.10	5246	p.190
— colonum L.	R. Posadas	10.9.09	315	p.190
— mollissimum Lehmd.	—	15.8.09	286 Lyatheresima velutina (DC) Chase	p.186
— Crus-galli L.	Fuente de Guadalupe	29.8.09	300 Echinochloa oplismenoides (Fourn.) Hitchc	p.190
— —	—	29.8.09	5444 : j'ai 10.9.10	p.190
— — v. mutica	R. Posadas	9.9.09	sans N° : j'ai Fort Loreto.	p.190

						3++ cotal
Paspalum macrophyllum H.B.K.	Rancho Posadas	14.5.09	131	Paspalum crinitum Chas		p.187
— digitaria Poiret	— id. —	15.8.10	5410	— dirtichum L.		p.187
— lividum Trin.	Sta Barbara	16.7.10	5268	— lividum Trin.		p.187
Agrostis . . .	R. Posadas	20-5.10	Sans N°.	Agrostis verticillata Vill.		p.201
Andropogon hirtiflorus Kunth	Cholula	15.9.10	5475	Andropogon Jeensis Fourn.		p.182
— hirtifolius Rest.	Noria	26.10.10	5512			p.183
— laguroides DC.	R. Posadas	10-8.09	271			p.183
— macroura Mikx	—	20.3.09	73	Andropogon glomeratus		p.183
Phalaris minor Retz	Cholula	15.9.10	545g	Phalaris caroliniana Walt (ex Dawson)		p.192
Polypogon elongatum H.B.K	R. Posadas	4.3.09	77			p.200
Setaria gracilis Kunth	—	17.7.09	205			p.191
— candata Roem & Sch.	—	15.8.10	540g	Chaetochloa Grisebachii (Fourn.) Scribn.		p.191
— setosa Beauv.	—	10.9.09	314	— idem —		p.191
Stipa mucronata H.B.K.	—	10.10.09	n'ai pas reçu, absent au Catal.			
Sporobolus sacatilla Grisel.	Hda Noria	20.10.10	5514	Muhlenbergia repens (Presl.) Hitchc.		p.197
— poaeoides Hackel	R. Posadas	1.8.10	5423	— plumbea		p.199
— indicus R. Br.	d°	10-8.09	Sans N°. che moi, perhaps S. Berteroanus p.198, line 6 from bottom Cte n°. 60. p. 198 +			
Trisetum bambusiforme Fourn. var. biflorum Hack.	Tetaccihuatl	8.11.10	5538	Trisetum Virletii Fourn.		p.201
Tripsacum dactyloides L.	Sta Barbara	15.8.09	J'ai 402, Rancho Posadas 15.10.09. ?			p.181

Observations.

The list of the plants received by the Muséum d'Hist. Nle enumerates comprises 804 plants [comprising 58 Nrs. among Mosses (33); Hepatics (3) Lichens (22)]. Only One specimen of each species collected by Bro. Nicolas! Our unsettled position at this time explains this! In the present Catalogue are probably (the greater part of) all that Bro. Nicolas did find, notwithstanding the fact that, when Bro. Nicolas gave me his duplicates, a certain amount of species were missing. This is confirmed by the list received from the Muséum. (inscribed)

Now, it is possible to say if such a species of the celebrated (?) exsiccatae Plantae Mexicanae, has been really collected either by Bro. Nicolas or Bro. Arsène since all the names received until to-day (Déc. 1931) are inscribed in the present Catalogue, (exception made for what remained in México.)

Naturally it is not question here about of the Numbers which are not yet determined, either at Washington, U.S. Nat. Herb. or at Paris, Muséum H^re N^elle, or even at Montpellier.

The ~~Latte~~ Museum possesses the plants, unclassified, left en souffrance at Clermont ~~F~~ Ferrand after the death of Bro. Héribaud in 1917. (117 packages)

It is to be lamented that Bro. Nicolas did carry with him only one part ~~of his collection~~ of each plant of his collection and not all what he collected.

Moreover he did not put his number upon ~~his~~ labels ! and in some cases, at least, did not care enough about dates ! Errors of copy ? hurry ?

What he did send to Bro. Héribaud was forwarded, ~~for~~ the most part, to Montpellier and other places, and he seems the numbers of series have been well preserved on the labels of such portion of his plants.

— And now, combining what I received from Bro. Nicolas (which is inscribed in the Catal.) with the list from the Museum, one is able to settle the matter about the following Grasses, the presence of which, in his collection, remained problematic :

pages 189 & 189+ Panicum yadkinense Ashe, see p. I

pp. 194 & 194+ Aristida tuberculosa Nutt.

they were not, certainly, collected by him in Mexico ! (and the litterature)

They ought to disappear from the catalogue. Until now they are not known to exist in Mexico, and perhaps it will be good to write some words about this fact ....

Las Vegas, December 1931.

fgs.

Catalogue of Mexican Phanerogams and Vascular Cryptogams collected by Pro. C. Greene Pea - -.

2nd part. Pages 170 to 209.

Cyperaceae and Gramineae.

(May 1926)

Cyperaceae. - I received some names first under Cyperus, later Chlorocyperus or Pycreus. - - - I have not the means to verify and I wrote the names received grouping them the best I could. - Miss Pella and Mackenthal have seen several of them.

Gramineae. — The determinations are those received from Mr. Hitchcock and Mrs Chase, except a few names for numbers that did not come back from Mexico and which I received from M. Dawson of Montpellier.

— The × following the data signifies: the plant reached Washington.

— Between brackets ([No.] p. 181 [54, P. (Pella) in 1909, liste E] ox) I have placed Nos and other indications received in the lists from the Nat. Herb. or taken from the papers on Grasses, but I am unable to identify the plant with those in my list.

The numbers (like 54 above) appear to form a series in the Nat. Herb. they do not correspond to mine.

The OX signifies the plants are in the Nat. Herb.

I would be glad to be able to complete the data or to know to what destinata those Nos are applied.

Abbreviations used between the aforesaid brackets:

p. 116 M.G or p. 35a Mex. Gr. refer to "Mexican Grasses in the U.S. Nat Herb. 1913."

liste A — to a list of names dated Nov. 4. 1920.

liste B — " " June 24. 1919.

liste C — " " Nov. 28 1919.

liste D — " " January 21. 1920

liste E — " " February 24. 1920.

I believe that most of the enclosed between brackets correspond to some numbers listed above them, but surely some are not; e.g. p. 123 Cat: Andropogon scoparius, the Nat. Herb. possess a plant from Nuevo, N. Mexico in 1910 that I have not in my list (perhaps 94 liste E ? the same as mine)

In the same group

I guess that the plants like Androp. hirtif. just cited, came to the Nat Herb by another channel than mine, as it is the case for all the specimens enumerated in Mexican Grasses published July 1913. I received Nicolas' Religuiae only in December 1913.

— For some accessions (received by Nat. Herb.), I did not get any name in the list enumerated above. I placed such numbers at the end of the corresponding species (according to the name received previously). See for instance p. 183 Andropogon saginoides.

— Numbers like -- 8765 -- indicate plants received by Montpellier and existing there, but not enumerated from Mexico. I placed them according to the name received from M. Duvernoi (and Hackel). — Montpellier promised to complete the data. [I believe also that in most cases, you should be able to get from there a small part of the accessions.]

— The genera of Grasses, that did not come back from Mexico and are missing in my collection in the Nat. Herb. are:
Lycurus, Sporobolus, Eragrostis, Setaria, Panicum, Distichlis, Briza, Poa, Glyceria & Festuca.
Nevertheless some accessions of some of these genera are in the Nat. Herb coming by some other way.

Received

Covington La. May 23. 1926

Jos. C. Arsène

181 b

~~With black pencil I will put the Nos from which, most probably the Weigel's have been taken.~~ That pencil does not work: red ink.

I marked so the plants at Montpellier whose names ~~I~~ and data I have received. = Not all their plants are so marked; I don't know what they have, but ~~I~~ I am certain that, unfortunately, they have not all my numbers, probably less than the half. —

Weigel label

[54 Pin 1909 (list E) × O

= [M Ara 1909 p 196 M G.] O ×

54 is written at top of label not with collector's name. "~~Puebla~~: Morelia (2!) ? See 2572 / 2572 Cerro de los Nalgas (~~800 m~~ 1950 m). 9. 9. 1909. coll: Arsène. ~~Nicolas~~." ["Puebla" and "Nicolas" struck out as indicated] In Mex Grasses this was cited Michoacan. Morelia, Arsène in 1909 " In making liste E the clerk put down 54 for number and Puebla for state. =2572!

"Mexique. — La Huerta, près Morelia 1/9 1910 f Arsene " Not on list.

63 is small number at top of ~~that~~ label.

"Mexico, ~~Puebla~~: Morelia: à l'Ouest del Zapote coll: Arsène ~~Nicolas~~ "

28. 8. 1909. ? 2394 / I 2394

[Weigel label]

The red dot was put by Mrs. Chase. Specimens present in the Herb. Washington.

181 b

With black pencil I will put the Nos from which, most probably the Weigel's have been taken. That pencil does not work: red ink.

I marked so the plants at Montpellier whose names ~~I~~ and data I have received. = Not all their plants are so marked; I don't know what they have, but ~~I~~ am certain that, unfortunately, they have not all my numbers, probably less than the half. — M. Daveau says many numbers were not communicated to them.

= X

? see 5443 ~~5448~~ ? 5447 ~~5447~~ ?

Not on your list.

Cachypogon montufari
"Mexique. — La Huerta, près Morelia
1/9 1910 " Arsène "

63 is small number at top of ~~that~~ label.

"Mexico, ~~Puebla~~: Morelia: à l'Ouest del Zapote
28. 8. 1909. ? 2394 coll: Arsène "
Weigel label

The red dot was put by Mr. Chase. Specimens present in the Herb. Washington.

LOCAL BOARD: .....

By .....

Chairman.

.....

Secretary.

inserted. The notation "List of names of persons whose registration cards are in possession of this

181 b

With black pencil I will put the Nos from which, most probably the Weigel's have been taken. That pencil does not work: red ink.

I marked so the plants at Montpellier whose names ~~& t~~ and data I have received. = Not all their plants are so marked; I don't know what they have, but ~~I~~ I am certain that, unfortunately, they have not all my numbers, probably less than the half. — M. Daveau says many numbers were not communicated to them.

=X

The red dot was put by Mrs. Chase. Specimens present in the Herb. Washington.

This list consists of ..... pages.

AL BOARD: .....

By .....
Chairman.

.....
Secretary.

Date .....

NOTE—The notation "List of names of persons whose registration cards are in possession of this ... number of extra pages will be ...

Gramineae

7991 Trisetum lanceolatum Rupr. P. 2266 Acatzingo 7.07 (Arsène) ×
1378 Nonoalco 7.7.07 ×
10106 ——— 4.7.07 ×
× 91 at Montpellier = 73 Hac. Guadalupe 20.11.06 ×
1472 H. Batan 13.6.07 ×
--- Entre S. Barbara y Cristo 27.6.07 ×
! -- Rancho Posadas 15.10.09 (Nin. 402) ×
[54 P. in 1909 (liste E)] × O
M. 5576 Vers Huerta 1.9.10 ×
7006 ——— 1.9.10 ×
2572 près les Salgas 9.9.09 ×
[M. ars. 1909 (7.196 M.6)] O ×

" laxum Nash. M. 9938 C. S. Miguel 10.2.12 ×

8007 Rytilix granularis (L.) Steals = Manisuris granularis Sw.
× M. 2653 Las Salgas 9.9.09 ×
5602 Dos Tetas 26.10.11 ×
5108 Rte de Mexico 13.9.10 ×

Trachypogon montufari (H.B.K) Ness
P. 1902 Tepexuchitl 16.9.07 ×
3509 Sta. Maria Zacatepec 11.08 ×
--- Tepexuchitl 16.9.07 ×
M. 2467 Huerta 15.10.09 ×
2468 ——— ——— ×
2635 ——— ——— ×
2630 ——— ——— ×
5447 ——— 1.9.10 ×
5443 ——— ——— ×
--- ——— 15.10.09 ×
2535 las Salgas 9.9.09 ×
2394 Mral de Zapote 28.8.09 ×
5162 Purgatorio 9.10 ×
5116 Rte Mexico 13.9.10 ×

× P 236½ C. Guadalupe 30.9.06 ×
[63 --- (liste E) O ×] O ×
P 246 cerro ~~Guadalupe~~ C) O 30.9.06 ×

182 b

Andropogon bicornis — Probably Weigel? — Mr. Daveau does not have this plant. [??]
(neither any A. brevifolius F nor the A. cirratus)

1038 11.7.07 is Elionurus barbiculmis !

69 in small figures, top of label
"Laguna Chapúlco. 3 X 1909 "Coll: Nicolas"
This is plant cited Nicolas in 1909. p 199 MG.
Erroneously listed by clerk in list E..
[Weigel label] Probably my 1783. Laguna Chapulco in 1908 (and not Nic. 1904) !

Androp. cirratus 147 Sept 1906 not in Grass Herb

This name was given me by Dr. Martinez Solorzano of Morelia. It seems the plant is commonly cultivated to take as a tea !— The flavor of this tea is agreeable !! fgp

is probably Cymbopogon-nardus (L) Rendle = A. nardus L. Does not give flowers in Michoacan ex Dr. Mart S. !!

P. 1038½ Androp. jeensis [was mixed with
1038 (Elionurus barbiculmis) and separated by
us and given no. 1038½. !

Androp jeensis list A. is
"Barranca northwest of Puruguato alt 1905 m
Morelia, Michoacan Sept 30. 1909 !
(Received from Nat Museum) ?

[Mon. Ars 1909 p 206 Mex Gr) is
"Mexico, ~~Puebla~~: Morelia: Loma de la Huerta
15.10.1909. Coll Nicolas Arsène ?? either 2472 or 2634 ?
[Weigel label]

182 b Andropogon bicornis — Probably Weigel ? — Mr. Daveau does not have this plant. [??]
(neither any A. brevifolius ? nor the A. cirratus)

(This form may be cut along the top if necessary in binding.)

T OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL BOARD—C

Page ____

ERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.	COL (See no pa

Elyonurus barbiculmis Hack.

P. 1783 Laguna Chapultec 19.11.08 ×
7146 Entre S. Barbara et Cristo 27.6.07 ×
2. -- R. Posadas 3.10.09 (Nicolas) ×
M 2995 Coronilla 8.8.09 ×
7228 Cuinguato 9.8.09 ×
P 236 C. Guadalupe 30.9.06 ×
X 274 S. Baltasar 20.9.06 × = 120 at Montpellier

(P. 199 M.G.) Laguna Chapultec Nic. 1909 (~~Nic. Herb.~~)
69 ... (Herb E) 0 × — 3.X.1909
366 ... (Herb A) 0 ×

" *tripsacoides* Hunt & Bonp.
P. 240 montant au F. Guadalupe 30.9.06 ×

" ? P. 1038 Tapanchitl 11.7.07 ×

Andropogon bicornis L. [P. en the Atzoyaurisa Nic 1910 [P. 205 M.G.] 0 ×
" *brevifolius* Sw. M. 5441 Ver Huerta 1.9.10 ×
5978 —— —— ×
10117 Campamania 17.11.10 ×
8422 Cuincho 11.10.1912
8681 Loma del Zapote 4.10.1912 (from page 197)
" *citratus* Hack M. 5430 Loma S. Maria 27.9.10 ×

" *citratus* (Herb.) P. 147 au marché Sept. 1906 ×
se vend pour faire une infusion aussi agréable que se prend comme le thé.

" *laevis* Fourn. T. 20 Acultzalpilco 15.11.06 ×
P ... Cholula, Tecalli 15.9.10 (Nic 5475) ×
1498 Ha Guadalupe 26.9.07 ×
10192 —— —— ×
M 2472 Cumas de la Huerta 15.10.09 ×
2634 —— —— ×
3144 Cuinguato 18.10.09 ×
3147 —— NW. —— ×
[... Herb A] 0 ×

" *furcatus* Nash = *A. provincialis* Lamk.
M. 2469 Huerta 15.10.09 ×
[Mon. Ane. 1909, p. 206, M.G.] 0 ×

1836

P. Nic in 1909 pros MG is
"Mexique. Rancho-Posadas près de Puebla 10/3 1909
J Nicolas"
This is on sheet stamped "Heriband 12 Fevrier 1910"
is Nic. 73 !

---

69 is small figure top of label
"Mexico, Puebla: Talus-600M. 17 XI 1909.
coll: Nicolas
??
[Weigel label]

---

18 small figures top of label
"Mexico, Puebla: Bord de l'Atoyac. 10. 3 1909
coll: Nicolas (73)
[Weigel label]
(Ed.) Same as Rancho Posadas above (Rancho Posadas is very near the river Atoyac, 1 mile already)

"P — Ha. Noria 20.10.10 (Nic 5512) "
is And. hirtifolius not hirtiflorus in ~~Grass Herb~~ !

Andropogon pennis Dawn is closely allied to And. hirtiflorus, but your specimens are all pennis. !

Androp hirtifolius — 8356 not in Grass Herb !
M. Arsène 1909 Mex Gr. p. 206. "Cerros de las Nalgas, Morelia. Sept 9. 1909
coll J. Arsène"
Received from Br. Léon, Cuba. =2641 !

Mex: Puebla: Hacienda Noria 1000M. 20.10.1910. coll Nicolas
no. 94 is same specimen! Mex Gr p. 206. [Weigel label] = Nic 5512 !

---

116 is small figure top of label
Mexico: ~~Puebla~~ Morelia: Loma de la Huerta
15.10.1909 coll Nicolas Arsène
=2634 !

[Weigel label]

A. pringlei Scribn } Not present at Montpellier.

1836

his list consists of .... pages.

LOCAL BOARD:

By ....

Chairman.

Secretary.

saccharoide — nodes bearded

lagurordes — nodes glab...

271 J. Nicolas Rancho Posada, Puebla
Aug 10, 1909
(Received from National Museum)

! = Nic.

"list E Nic1" is — 1 is small figure top of label

Mexico: Puebla: Pont de Mexico, campos
coll. Nicolas
16·8·1909.

[Weigel label]

May be same as 271
R. Posadas, Pont de Mexico (no difference)

[??]

X

P... R. Posadas 10·8·09 Nic = 271 ! above

8765
8267
8434
} not in Grass Herb.

Mex: Puebla: Bords de l'Atoyac — 1. 3. 1909
Coll Nicolas

[Weigel label]

[??]

For some plants "Weigel", even if I cannot put the Nr. of Nicolas with the help of what I know, let us wait until I got some positive answer about his herbarium, that I have located. Then they might be discarded altogether. (Febr 1928)

A. malacostachyus Presl
A. pringlei Scribn
} Not present at Montpellier.

his list consists of

Chairman.

Secretary.

1836

Saccharoides nodes bearded	Lagurocides nodes glabrous
1036	3470
5449	271
10265½	6008
216	353
1327	1784
	1408
	282
	3549
	10183

Louis J. Marcano Marcin in 1912

P. Nicolas in 1909 [Mex Gr. P. 202]
Mex: Puebla: Bords de l'Atoyac — 1. 3. 1909 coll Nicolas

Weigel label

[78]

Hack

For some plants "Weigel", even if I cannot put the Nr. of Nicolas with the help of what I know, let us wait until I get some positive answer about his herbarium, that I have located. Then they might be discarded altogether. 5 Febr 1938

A. malacostachyus Rech } Not present at Montpellier.
A. pringlei Scribn

1036

his list consists of

Chairman.

Secretary.

saccharoides nodes bearded	laguroides nodes glabrous
1036	3470
5449	271
10265½	6008
216	353
1327	1784
	1408
	282
	3549
	10183

Loma [illegible] 1912

now referred to
Androp. saccharoides
v. laguroides (DC) Hack

For some plants "Weigel", even if I cannot put the Ur. of Nicolas with the help of what I know, let us wait until I get some positive answer about his herbarium, that I have located. Then they might be discarded altogether. [febr. 1928]

A. malacostachyus Presl
A. pringlei Scribn } Not present at Montpellier.

Andropogon (suite) glomeratus (Walt.) B.S.P = A. macrourum Michx.
P. 1433 Mayorazgo 18.7.07 ×
--- P. Posadas 10.3.09 (Nic 73) ×
3542 H. Batan 12.08 ×
Q. 10265 Querétaro (Agmét 23) ×
[P. Nic in 1909 (p. 205 M.G.)] 0 ×
Nic 69 (liste E)
" 18 (——)] 0 ×

" hirtifolius Presl
M. 2641 près las Nalgas 9.9.09 (Adele et Arsène) ×
2583 Huerta 15.10.09 ×
5112 Rte Mexico 13.9.10 ×
* 8356 Morelia Route de Mexico 19. IX. 1912
[M. Ars. 1909. (p. 206 M.G.)
P. H. Noria Nic 1910. (p. 206 M.G.)] 0 ×
liste E, Nic. 94 --
—— 116

" hirtiflorus Kunth. P. ... Ha. Noria 20.10.10 (Nic 5512) × = hirtifolius
M 2634 Huerta 15.10.09 × feensis Fourn
[liste E, Nic. 87 --] 0 ×

" laguroides D.C. P. 1784 Laguna Chapulco 19.11.08 ×
* 353 Rte de Tlaxcalantzingo 13.9.06 × = 107 at Montp.
282 S. Baltasar 20.9.06 ×
3549 Ha Batan 12.08 ×
10183 Manzanilla 24.11.08 ×
1408 Mayorazgo 18.7.07 ×
M. 6008 Chemin des Parcs 9.11 ×
--- Loma S. Maria 30.5.12 ×
[liste C, 271 --
liste E, Nic 1 ? --] 0 ×

P. ... R. Posadas 10.8.09 Nic. × = 271.
C 3470 Saltillo, Chapultepec 4.09 (Nic 7) ×
* DF 8765 Mixcoac San Borja 2270 m. 22.V.1913
* -- 8267 -- d° S. Olivar 2300 m 7.IX.1913
* M. 8434 - La Huerta 11. X. 1912

" malacostachyus Presl [P. Nic in 1909 (p. 202 M.G.)] 0 ×
" pringlei Scribn P. S. Barbara 15.9.10 (Nic 5465) ×

1846

45 small figure top of label

Mexico, ~~Puebla~~: Morelia, Lomas de la Huerta. 1950 m 900 m

15. X. 1909 Coll Nicolas Arsène is 2473.

Weigel label

M Arsene 1909 (p 210 Mex Gr) is "56" small figure top of label

" Mexico. ~~Puebla~~: Morélia: Jardin du College S. C.

9. 8. 1909. coll: ~~Nicolas~~ Arsène

I don't remember any Holes from Morelia. ~~But?~~

Weigel label

---

44 small figure top of label = cited Mex Gr p. 211

Mexico: Puebla: Morélia: Loma de la Huerta 1200 m

15. 10. 1909 coll: Nicolas

Weigel label

(to change: Collector. Bro. Arsène) Coll. Arsène = 2632 !

Br. Arsene Sept 9, 1909 (Mex Gr p. 208 sub ~~perforates~~) is

Andropogon schlumbergeri Fourn.

"alt 2100 m. Cerro de las Nalgas near Morelia

Coll. Br. Arsène Sept 9, 1909.

is 2641 !

Received from Brother Léon, Cuba

1846

(This form may be cut along the top if necessary in binding.)

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.

Br. Arsène Sept 9. 1909 (Mex Br p. 208 sub perforatus) is
Andropogon schlumbergeri Fourn.
" alt 2100 m. Cerro de las Palgas near Morelia
Coll. Br. Arsène Sept 9. 1909.
Received from Brother Léon, Cuba

is 2641 !

Andropogon (suite) perforatus Trin = A. saccharoides Sw. var. perforatus Hack.

[M. Hills, Ars. in 1909 (p. 208 M.G.)] o ×
is 2641 Cerro de las Nalgas, pr. Morelia 9.IX.1909 (ex Daveau)

" saccharoides Sw. P. 216 Sous S. Juan 30.9.06 × = 106 at Montpellier
1036 Tepoxochitl 11.7.07 ×
1327 Mayorazgo 7.7.07 ×
--- F. Guadalupe 10.9.10 (Nic 5449) ×
Q. 10265 ½ Querétaro (Agnel 23) ×
DF 8266 Mixcoac; Olivar 7.IX.1913 (A. argenteus DC)
-- 8781 — d° — d° 16.X.1913
[P. Pont de Mexico Nic. 1909 (p. 207 M.G.)] o ×

" tener (Nees) Kunth. P. 1502 H. Guadalupe 26.9.07 ×
M. 2473 La Huerta 15.10.09 ×
- 8683 Loma del Zapote 4.X.1912
[M. Ars. in 1909 (p. 204 M.G.) liste E, 45 --] o ×

" virginicus L. P. 1638 Manzanilla 24.11.08 ×

" wrightii Hack. P. ... C. Guadalupe 9.9.06 ×

Holcus halepensis L. NL 6130 Monterrey, Guadalupe 5.11 (Abbon 18) ×
C 3464 Saltillo, rare, 5.09 (Nil 6) ×
[M, ars. 1909 (p. 210 M.G.) liste E, 56] o ×

Sorghastrum nutans (L.) Nash.
P. 1503 H. Guadalupe 26.9.07 ×
M. 2632 Huerta 15.10.09 ×
2948 L. S. Maria 2.9.09 ×
3149 Punguato NW 18.10.09 ×
2615 — 26.9.09 ×
[M. Morelia, Nicolas (p. 211 M.G.) liste E, Nic. 44] o ×
M. 7360 W. Morelia 7.10.09 ×
3216 Quinceo 11.11.09 ×
- 8442 La Huerta 11.X.1912
- 8374 Punguato 5.IX.1912

185 b

64 small figure top of label
Mexico. ~~Puebla~~: Morélia; Punguato 26.9.09. Coll Arsène
[Weigel label] ~~Mex Gr~~ is 2676 !

We have besides: Heterohogon contortus
Loma de la Huerta alt 1905 m
vicinity of Morelia, Mich. Oct 15, 1909 !
No. — Bro Arsène coll [from National Museum
and
Mexique. — San Miguel, près Morelia
8/11. 1910. J Arsène. !

Hilaria cenchroides Mex Gr p. 214 [??]
" Mex. Puebla: Cholula 900 M coteaux secs
14 f. 1904. [weigel label] coll: Nicolas

Aegopogon tenellus 82 small figure top of label
Mexico ~~Puebla~~: Rincon, près Morélia
Coll ~~Nicolas~~
Arsène
19. 9. 1909. is 2539.

Heterogogon contortus, Daveau says: I saw only 2486, 2992. 2676. — You see by that example
that sometimes he did not receive all.

Heteropogon contortus, Daveau says: I saw only 2486, 2992, 2676. — You see by that example that sometimes he did not receive all.

Heteropogon contortus (L.) Beauv × M. 2486 Coronilla 19.9.09 ×
× 2992 ——— 8.8.09 ×
5114 Pto Mexico 13.9.10 ×
× 2676 Punguato 26.9.09 ×
5160 ——— 9.10 ×
5884 — 25.8.10 ×
5761 — ——— ×
5568 C.S. Miguel 15.9.10 ×
5623 ——— 11.10 ×
[liste E. ?64] o ×

Hilaria cenchroides H.B.K. × P. 35 F Lorette 4.10.06 × = # 118 à Montpellier
-- R. Posadas 15.8.10 (Nic 284) ×
1019 Teposuchitl 11.7.07 ×
M 5587 Nad Zapote 4.8.10 ×
Q. 10274 Queretaro (Agniel 22) ×
D.F. 8281 Olivar 7.9.13 ×
T ... S. Ana Chiautempan 10.11.08 ×
× M. 9062 Morelia Rancho Aguacate 1950 m. 1.VIII.1912
× DF 9385 Mixcoac Oldcoquemeca 2270 m. 17.VIII.1913
× - 9409 -" El Olivar 2300 m. 30.X.1913
[P. Cholula Nic 1909 (p. 214 M.G.)] o ×

8028 Aegopogon cenchroides Humb. & Bonp.
P. 340 C. Guadalupe 9.9.06 ×
× 250 ——— 30.9.06 × = # 128 à Montpellier.
1499 Hacc. ——— 26.9.07 ×
M 3189 C.S. Miguel 18.11.09 × (mixture)
× DF 8848 Mixcoac, Loma de Cacapula 2300 m. 16.X.1913.

" tenellus (Cav.) Trin. F. ... Azotea S. Pedro 8.08 ×
-- ——— 20.10.06 ×
--- H Guadalupe 4.9.11 (Nic 5907) ×
V.C. -- Jalapa 19.11.07 (Fontinger) ×
M 2539 Rincon 19.9.09 ×
3096 Pisos Morelia 10.10.09 ×
3189 C.S. Miguel 18.11.09 × (mixture)
5242 ——— 9.10 ×
DF 8278 Olivar 7.9.13 ×
[82 .. liste E] o ×

" geminiflorus Humb. & Bonp. (Supprimé, M.G. note p. 215).

186 b

71 small figure
Mexico Puebla: pres de Morelia 7.10.1909. Arsène coll.
[Weigel label] =3142

---

12 small figure Synth velutina glabella
Mex: Puebla: Cerro Guadeloupe (1000 m)
coteaux secs. Coll. Nicolas [??]
[Weigel label]

Brachiaria mezpaina
— Arsène July 4. 1907. Mayorazgo alt 2,120 m
vicinity of Puebla !

315 Arsène Sept 10, 1909 - Rancho Posada
alt 2194 vicinity Puebla (in 1909. coll. Nic.)
[315 is ~~Nicolas~~ Rancho Posadas 2194. 10.IX.1909] ex Daveau (yes ex Daveau) !
493 Arsene Aug 15, 1906 Cerro San Juan
alt 2200 m. Puebla !
all 3 received through National Museum

7016
695 2
2919 } Axonopus arsenei chase ined. I have
long had this in mss. together with others,
awaiting revision of N. Amer. axonopus. I have
to publish two new species for the flora of
the Canal Zone and shall include this.
It will appear in Journ. Wash. Acad. some-
time this year.

---

68 small figure top ? [Weigel label]
data agree with those of 3132 ! =3132

---

* One at Montpellier looks not all what is there is so marked. There are specimens about which some information was asked to Mr. Daveau

a Axonopus
ouverait
tinque bien
titue, a

On *Axonopus Arsenei* Chase ined. M. Daveau says:

" Ax. Arsenei Chase [sera le Paspalum (Axonopus) Arsenei ?] pour les botanistes qui n'admettent le genre Axonopus
" que comme sous-genre, tribu ou section du genre Paspalum], en réalité cette distinction se trouverait
" justifiée par ce seul fait que les Axonopus ont un faciès qui à première vue les distingue bien
" des Paspalum vrais. - Palisot de Beauvois avait donc raison de créer ce genre, qui constitue, à
" mon avis, un groupe très naturel et distinct de la généralité des espèces de Paspalum. "

* Arc at Montpellier, but not all which is there is so marked. There are specimens about which some information was asked of Mr. Daveau

186 2

186 (2)

Paspalum [from pp. 186-187-188]

Taken from "The North American Species of Paspalum [Mrs Agnes Chase, 1929]

p. 31. Paspalum acuminatum Raddi. M. 3132 Lieux inondés W. Morelia 7.10.09 ×
[68 liste E] o × = 3132

p. 63 " arsenei Chase sp. nov. P 1411 Mayorazgo 18.7.07 × type
58 S. Baltasar 25.10.06 × depauperate, panicle of 2 to 4 short racemes.

M. 2693 W. du Zapote 25.8.09 ×
2384 Chemin des Parcs 1.8.09 ×
8324 Rancho Aguacate 1.8.12 ×
8535 Rincon 21.8.12
(.... Loma Sta Maria (~~Haigh~~) aug 7. 1909 from Bro. Leon 1909 not in the paper but is ~~pitbably~~ 2384. ~~8324. 8535~~)
.... Ceinture de roches au Zapote 28.8.09 × (Was. lividum M. Gr. p. 237)

p. 224 " convexum Humb. & Bonp. P. 2284a R. Posadas 20.9.08 ×
M 2478 Loma del Zapote 2.9.09 ×
2644a Cerro de las Malgas 9.9.09 ×

p. 61 " crinitum Chase P. .... Puebla, Fr. Aibert en 1911.
1604 Rancho Posadas 6.8.08 ×
2284 —— 20.9.08 ×
.... —— 14.5.09 (Nicolas 131) ×
not in the paper près cimetière 23.6.07 × see p. 188 Cat.

p. 50 " distichum L. P. 333 Cerro S. Juan 5.8.06 (n° 88 at Montpellier)
1601 Rancho Posadas 6.8.08
.... —— 15.8.10 Nicolas 5410
M 3362 Jardin de Morelia 22.8.09
... Rincon, prairie 25.7.09
DF 8831 Mixcoac: Chalcoyemeca 17.8.13

p. 23 " Humboldtianum Flügge M. 2471 La Huerta 15.10.09
5849 — 1.9.10
6665 vers la Huerta 1.9.10
2813 La Huerta 30.10.09 teratological specimen, with multiple glumes all fringed.

p. 57 " lividum Trin P.... Santa Barbara 16.7.10 (Nicolas 5268)
M 23846. Chemin des Parcs 1.8.09
3176 West Morelia 7.10.09
DF 8277 Olivar 7.9.13
Q. 10272 Querétaro (Agnich)
10349 —— ——
NL 6301 Monterrey: Pastora 7.11 (abbon 161)

p. 65 " notatum Flügge M. 2917 Loma S. Maria 15.8.09
N.L. 6283 Monterey; Santiago, S. Fco 8.11 (abbon 230)

Sacred Heart Training College

Las Vegas, New Mexico

_____ 19____

Paspalum (suite) (from N. Am. sp. of Paspalum)

p. 36 Paspalum (suite) prostratum Scribn. & Merr. M. 3129 Lieux inondés W. Morelia 7.10.09
8684 Loma del Zapote 4.10.12

p. 55 — d° — pubiflorum Rupr. Q. 10348 Querétaro (Agniel) Mrs. Chase says: Spikelets smaller than typical.
.... — fr. Basile 34
.... — fr. Basil 35
M 2805 Rincon 25.7.09 – A specimen has spikelets only obscurely pubescent as in the type of P. plan[i]folium Fourn.

p. 114 " tenellum Willd. M 2377 Chemin des Pares 1.8.09
2644 Las Nalgas 9.9.09
DF 8272 Mixcoac: Olivar 7.9.13
[~~not~~ in the paper, ~~but~~ in Cat. p. 188: Loma S. Maria 15.8.09] (in 1909)

p. 52 " paucispicatum Vasey. Q. 10268 Querétaro (Agniel 14) Appear to be intermediate between P. distichum and P. paucispicatum.

p. 100 " unispicatum (Scribn. & Merr.) Nash. P... Acatzingo 6.8.09 Nicolas ?? from Weigel.
see note
p. 44 " vaginatum Swartz P .... bords des routs 9.11.08 Nicolas ?? from Weigel.
to be suppressed

M. Daveau donne 8623, Morelia, C. San Miguel 8.8.12 sub. P. laeve comme l'était 8535 (P. Arsenei)
8358, Mor. Rte de Mexico 19.9.12 sub. P. distichum.
8622, Mor. C. san Miguel 8.8.12 sub. P. lividum.
8676 Mor. Loma del Zapote 4.10.12 sub P. notatum
9332 ——— 20.6.12 — idem —
What are they ?. Did you receive any specimen from Daveau?

From Herb. Bro. Nicolas, the Muséum Paris received only:

P. crinitum Chase. Nicolas 131. _ _ under P. macrophyllum H.B.K.
P. lividum Trin. Nic. 5268 _ _ ——— P. lividum Trin
P. distichum L. Nic 5410 _ _ ——— P. digitaria Poiret.

consequently: { P. vaginatum Swartz and + P. unispicatum (Scribn. & Merr.) Nash. cited above, [??] from Weigel specimens have not been collected by Bro. Nicolas; see the sign [??] I put in 1927 or 1928 p. 188 b. — Nevertheless a doubt (very slight) may remain, Bro. Nicolas having brought with him only a specimen of each of his plants (species). but I believe them false!

[From New Mexico: Paspalum distichum L. not cited in Paspalum
A: 15534]

Syntherisma sanguinalis (L.) Dulac = *Panicum sanguinale* L.

M. 3290 Jardin S.C. 27.7.09 ×
3142 West Morelia 7.10 09 ×
8647 Morelia S. Miguel 2100 8.VIII.1912
NL 6299 Monterrey, Pastizal 7.11 (Alton 163) ×
[71 liste E] 0 ×

" *velutina* (DC) Chase P. 2286 R. Posadas 20.9.08 ×
— — — 15.8.09 (Mic 286) ×
2039 Acatzingo 7 07 (Amable) ×

" " *glabella* (DC) Chase [11 .. Nicol. Liste E] 0 ×

" ? M — Pinguato 5 9.12 × S. sanguinalis

8048 *Eriochloa acuminata* (Presl.) Kunth

M. 3360a Jardin S.C 22.8.09 ×
5106 Rte de Nieves 13.9.10 ×
5644 N. Zapata 21.8.10 ×
Q. 10290 Querétaro (Aguil 13) ×
Q. 9256 Querétaro 1912.

Brachiaria meziana Hitchc. DF. 8802 Rte S. Borja bud 11.8.13 ×
8280 Olivar 7.9.13 × divaricata
P. .... Rancho Posadas 10.IX.09 (Mic. 315)
[10262 — } liste E
315 — }
493 —
— — — 4.7.07 liste C] 0 ×

Axonopus sp.? M. 2919 St Maria 15.8.09 ×
6952 — 17.9.10 ×
7016 Vers Hiuarta 1.9.10 ×

8045 *Paspalum acuminatum* Raddi.

M. 3132 lieux inondés W. Morelia 7.10.09 ×
[68 liste E] 0 ×

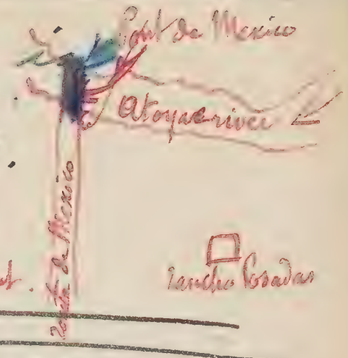
" *Bucklejanum* Vasey M 2384a Chemin des Pares 1.8.09 ×

" *convexum* Humb. & Bonp. (P. sinops Vasey)
P. 2284a R. Posadas 20.9.08 ×
M 2478 Zapata 2.9.09 ×
2644a Las Bolsas 7.9.09 ×

187b

Pasp crinitum Nicolas citied Mex Gr p 237 in Mex Puebla: Pont de Mexico — 10 V 1909. coll Nicolas

Weigel label



Probably Nic 131. with date changed. Pt. de Mexico Atoyac Rancho Posadas } 1 miles square about.

Pasp denticulatum. I have concluded, after studying recent South American material, is distinct from P. lividum, the Mexican species.

81 small figure top of Weigel label

"Mexico. Puebla: près Morélia: talus 7 X 1909
coll Nicolas
Arsène

= 3176

Arsène

We have in addition, received from Bro. Léon Mexique. Loma Ste maria près Morelia. Aug 7, 1909.
coll J. Arsène

Is surely mine, but what Nr? see your Catalogue sub P. lividum cited MGB. p 237

This is named "Paspalum macrophyllum H B K" in Brother Léon's script, but is P. lividum

51 small fig. top of Weigel label

Mex. Puebla: Morélia: Jardin du College S. C
28. 8. 1909.
Coll. Nicolas
Arsène.

= 3362 date changed

104 small fig - Weigel label

Perhaps

Mex Puebla: Rancho Posádos.
15. 8. 1910.
Coll. Nicolas

= Nic. 5410

41 top of Weigel label

Mexico Puebla: Lomas de la Huerta, Morélia.
1. X. 1909
Coll Nicolas
Arsene.

= 5849 date changed.

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION C.

Paspalum laeve, Mich.? [not known from Mexico, ex char.] = Montpellier gives the data, without any comment. — Perhaps it would be useful to see the specimens? [10/II/1928]

Since you say: "not known from Mex."

Paspalum (sect.) *crinitum* Chase, Sp. nov.
P. -- R. Posadas 14.5.09 (Mic 131) × existe au Muséum de Paris
2284 —— 20.9.08 ×
1604 —— 6.8.08 ×
1411 Mayorazgo 18.7.07 ×
58 S. Baltasar 25.10.06 ×
M 2693 W. Zapote 25.8.09 ×
2805 Rincon 25.7.09 ×
[without locality Mic 1909 p. 237 M.G.] ox
" *denticulatum* Trin. P. -- S. Barbara 16.7.10 (Mic 5268) × (au Muséum)
= *lividum* Trin M 2384 b. Ch. de Paris 1.8.09 ×
3176 W Morelia 7.10.09 ×
DF 8277 Olivar 7.9.13 ×
Q. 10272 Queretaro (agaval) ×
10349 —— —— ×
NL 6301 Monterrey Pastora 7.11 (Abbe 161)
[81 -- Liste E] ox
" *distichum* L. P 333 C. S. Juan 5.8.06 × = 88 à Montpellier
1601 R Posadas 6.8.08 ×
-- -- —— 15.8.10 (Mic 5410) × au Muséum
M 2362 Jardin Morelia 21.8.09 ×
Q. 10268 Queretaro (agaval 14) ×
M. 8358 Morelia Rte de Mexico 1950 m. 19-IX-1912
[51 -- Liste E 3e
104 --] ox
" *humboldtianum* Flügge M. 2471 Huerta 15.10.09 ×
5849 —— 1.9.10 ×
2813 —— 30.10.09 × spikelets abnormal
6665 voir — 1.9.10 ×
[41 -- Liste E] ox
" *laeve* Michx M. 8535 Rincon 1950 m. 21. VIII. 1912
-- 8623 C. San Miguel 2100. 8.VIII.1912
" *leiostachyum* Peal. M. 2644 Las Nalgas 9.9.09 × *tenellum*
" *lividum* Trin. M. 8622 C. San Miguel 2100 m. 8.VIII.1912
[Morelia, Arsène 1909, p. 237 M.G.] ox
" *notatum* Flügge M. 2917 L. S. Maria 15.8.09 ×
NL 6283 Monterey, Santiago, S. F^co. 8.11 (Abbe 230) ×
M. 8676 Loma del Zapote 1950 m. 4.X.1912
-- 9332 —— do —— 20.VI.1912

1886 { 333 = 88 à Montp.) — à distribuer p. 187
8831 sub P. Schaffneri Grisel. — Montpellier answers: " tout à fait identiques à l'exsicc. de Bourgeau 532 — qui est nommé dans Biol. Cent. Amer. III, p. 482. P. Schaffneri. (mais il y a des erreurs) -] Schaffneri

---

M. Loma S. Maria, Arsène in 1909, Mex Gr. p. 239.
sent by Bro Léon sub nom "Paspalum macrophyllum HBK"
a single culm of Pasp. lividum was mixed
with it.

Possibly this = 8272 listed below sub
"P. macrophyllum HBK"
and the specimen of P. lividum sent by
Bro. Léon sub nom "Pasp macrophyllum"
may be 8324 no — Compare data

Nos 8324 } not in Grass Herbarium.
8272 }

Pasp macrophyllum not known
from North America!

77 small figure top of [Weigel label]
Mexico. Puebla: Morelia Rincón, lieux ??
2.9.1909. coll: Nicolas
labeled "Paspalum laeve Mx" is publiflorum!

Paspalum tinctum Chase ined.
"west of Loma del Zapote, Vicinity of Morelia, Mich.
no — Bro G Arsène coll. Aug 28. 1909.

Is this same as item I have marked
~~If so~~ Compare with 2693, 1411. Ours is the same
species. (1909 [illegible] as 1 and 2693!)

Pan. bulbosum Mex Gr p. 485 Weigel label
Mex Puebla: Bords de l'Atoyác. 8 X 1909. Coll: Nicolas
[?!] date changed Nic 3 4 in 8.9.09

EY
White.
Negro.
Indian.
Oriental.

(Stamp of Local Board.)

ST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL BOARD.

Page 1

AL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.	COLOR. (See key above.)

3—4415

of the page will be inserted. "List of names of persons whose registration cards are in possession

Secret

Chairm

NOTE.—The necessary number of extra pages will be inserted
local board—Cont'd" and the number of the page will be entered

LOCAL BOARD:

By

This list consists of ..... pages.

Date .....

1886 { 333 = 88 à Montp. — à distichum p. 187
8831 sub P. schaffneri Fisch. — Montpellier answers: " Tout à fait identiques à l'exsic. de Bourgeau 532 — qui est nommé dans Biol. Cent. Amer. III, p. 482. P. Schaffneri. (mais il y a des erreurs) -] Schaffneri

Pasp. prostratum. — M. Daveau dit: "Supprimer la forme latifolia qui n'est pas sensiblement différent du type. exsic. 8684."

P. macrophyllum. 8272 — 8324. " Il semble bien qu'il y a là 2 espèces distinctes. macrophyllum
" 8272 se distingue par ses glumes nettement poilues et ses
" feuilles larges poilues. ciliées. Toute la plante du reste est

Sent back March 4 1926

SACRED HEART TRAINING COLLEGE
LAS VEGAS, NEW MEXICO
BOX 1

Cat. page 188

January 1927

January 1927

In the Grass Herbarium, only a part of the series from 8254 to 9411 (sent to France in 1913) is present. —
All those like: ... 8684 ... 8831 ..., etc. this were not recuperated from Mexico and probably no specimen of them are in Washington. — It is why neither habitat nor date are in the Catalogue. — But Montpellier possesses the unbroken series from 8251 to 9411, and Mr. Daveau has promised to complete the data. It is already done for the Phanérogams, but not for the Grasses that I did not sent to him yet. —

" Je s
" spécialis
" sont ass
" Veuillez
" désirer
" courrier

p. 188 Under P. la Paspalum lividum received from Bro. León sub nom.: "Pasp. macrophyllum" there is a query. —
Here is the answer: — All the Grasses published in Mex. Grasses are from collections made before 1913, (since M.G. is from July 1913). They reached Washington by indirect ways. Hence the plants are among those received in Europe at least in 1912 and it is absolutely improbable that plants from the series 8254—9411, sent only in 1913 to France could have come back here in time to appear in Mex. Gr. (Those from this series, in the Herb., are the ones which came back from Mexico).
But as I said above, all the data for this series are available, and we will get them.
— Now, I repeat what I have already written ... M. Daveau may give specimens to the Grass Herb. for a number of my plants; he told me that most of them are in "abondantes parts" .....

Montpellier sent
— 5657 M
— Nic 98
— Nic. 217
— Nic 58

Paspalum tinctum
(1

EY
White.
egro.
ndian.
ental.

(Stamp of Local Board.)

ST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL BOARD.

Page 1

L NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.	COLOR. (Give key above.)

2—4418

e page will be entered. The notation "List of names of persons whose registration cards are in possession 3—41

Secre

Chairm

LOCAL BOARD:

By

Date

This list consists of ..... pages.

NOTE.—The necessary number of extra pages will be furnished by local board—Count 1" and the number of the page will be entered on each page.

1886 { 333 = 88 à Montp. — à distribuer p. 187
8831 sub P. Schaffneri Spisel. — Montpellier answers: " Tout à fait identiques à l'exsicc. de Bourgeau 532 — qui est nommé dans Biol. Cent. Amer. III, p. 482. P. Schaffneri. (mais il y a des erreurs).] Schaffneri

Pasp. prostratum. — M. Daveau dit: "Supprimer la forme latifolia qui n'est pas sensiblement different du type: exsicc. 8684."

P. macrophyllum. 8272 8324. " Il semble bien qu'il y a là 2 espèces distinctes. macrophyllum
" 8272 se distingue par ses glumes nettement poilues et ses
" feuilles larges poilues-ciliées. Toute la plante du reste est
" poilue.
" Le N° 8324 me paraît bien ressembler aux Nos. 1604 et
" 2284 nommés P. crinitum." (Daveau.)
(Mo. Leon's plant is from another spot. I cannot find under what No. I have it, and under what name it is mine.)

M. Daveau ajoute :

" Je suis absolument de votre avis au sujet de la communication aux
" spécialistes de Washington des échantillons litigieux qu'ils n'ont pas. Vos exemplaires
" sont assez copieux pour qu'on puisse en prélever une part à leur intention.
" Veuillez prendre la peine de me relever une liste des Nos. qu'ils peuvent
" désirer et je m'empresserai de leur donner satisfaction par retour du
" courrier. "

Montpellier ser
— 5657
— Nic q
— Nic
— Nic

Paspalum tin
(No = 1150, o
for a number of my plants; he told me that most of

Y
hite.
egro.
ndian.
ental.

(Stamp of Local Board.)

ST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL BOARD.

Page 1

AL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.	COLOR. (See key above.)

3—4415

Secret

Chairm

NOTE.—The necessary number of extra pages will be inserted. The notation "List of names of persons whose registration cards are in possession of Local Board—Cont'd" and the number of the page will be entered on each page.

LOCAL BOARD:

By

This list consists of ..... pages.

Date .....

188 6 ξ 333 = 88 à Montp.) — à distichum p. 187
8831 sub P. schaffneri Fisch. — Montpellier answers: " Tout à fait identiques à l'exsicc. de Bourgeau 532 — qui est nommé dans Biol. Cent. Amer. III, p. 482. P. schaffneri. (mais il y a des erreurs).] Schaffneri

Pasp. prostratum. — M. Davean dit: "Supprimer la forme latifolia qui n'est pas sensiblement différent du type. exsicc. 8684."

P. macrophyllum. 8272 — 8324. " Il semble bien qu'il y a là 2 espèces distinctes. macrophyllum
" 8272 se distingue par ses glumes nettement poilues et ses
" feuilles larges poilues-ciliées. Toute la plante du reste est

Cat. page 188

SACRED HEART TRAINING COLLEGE
LAS VEGAS, NEW MEXICO
BOX 1

In the Grass Herbarium
All those l.l

" Je su
" spécialis
" dont ass
"
"
"

Montpellier sent en 1927:
- 5657 Morelia, N du Zapote (sub P. lisans) ; Miss Chase 27-VI-1927 says: Pan. cupreum.
- Nic 98 Rancho Posadas — sub P. decipiens — : Muhlenbergia plumbea
- Nic. 217 Laguna S. Baltazar — and aff. miliiodes — Pan. cupreum
- Nic 5879 - do — Pan. cupreum

Paspalum tinctum Chase ined. = P. arsenii 58, 1411 typo, 2693, 2805 + West-Zapote etc.
(We exchange letters about)

121 small figure top ? [Weigel label]

Mexico: Puebla: Morelia: Zapote 1000 m

7. X. 1909

call: ~~Nicolas~~ Arsène

= 3129 but place changed (½ mile distant)

From Bro Léon "Paspalum prostratum Scribn & Merr forma latifolia"

on the west of Morelia. Oct 7. 1909

collected by J. Arsène.

same

= prostratum "forma latifolia" not published

it is 3129 !

Asp Schaffneri Grieb = distichum. Is 8831 that? (Probably Swallen) Mont Pellier from Spaerman, will inquire. (See note)

Asp unispicatum cited N Gp. 240 is same as 14 list E, 14 small fig top ? Weigel label [??]

Mexico: Puebla: Acatzingo 6. 8. 1909. coll. Nicolas

Asp vaginatum Mex Gr p. 231 [Weigel label] [??]

Mexico. Puebla: bords des routes. 9. XI. 1908. coll Nicolas

881

Form No. 101.—P. M. G. O.
(LARGE SIZE)

Paspalum (suite) prostratum Scribn a Mex. M. 3129 Cuernavaca W. 7.10.09 x —
[121 liste E.] ox
" " ~~fasciculatum~~ M. 8684 Loma del Zapote 4.X.1912 —
" pubiflorum Rupr. [M. Loma S. Maria, Arsène in 1909, p. 238 M.G.] ox
" ~~Arsenei~~ Remy M. 2384 ch. des Pares. 1.8.09 x pubiflorum —
[77 liste E] ox
" Schaffneri Grisb. DF 8831 — Mixcoac, Malacoquemeca 2270 m. 17. VIII. 1913 —
" tenellum Willd. M. 2377 ch. des Pares 1.8.09 x —
2644 Las Nalgas 9.9.09 [2644 is tenellum] —
" versipilatum (Scribn a Mex) Nash.
[P. Acatzinca Nie in 1909, p. 240 M.G.] ox —
— 14 liste E —
" vaginatum Swartz [P. vandesiae, Nie. in 1908 p. 231 M.G.] ox —
? " macrophyllum H.B.K. var glumis glabris M 8324 Rancho Aguacate 1.VIII.1912 —
var glumis hispidis DF 8272 Mixcoac Olivar 7.IX.1913 —
= tenellum

Sur mes listes, porté à Paspalum, peut-être autre chose :
— P. --- près Cometière 23.6.07 x = Pasp. crinitum
M. --- Ceinture de rochers au Zapote 28.8.09 x
-- Rincon, prairie 25.7.09 x Pasp. distichum —
-- Loma St Maria 15.8.09 x " tenellum —
Q. 10348 Queretaro (Reginel) x Pasp. pubiflorum (épillets smaller than typical) —

8050 Panicum bulbosum H.B.K. = P. arenaceum H.B.K.
P. 1071 S. Barbara 1.6.07 x
--- ——— 8.9.09 (Nie. 304) x (au Muséum sous Pasadas)
-- Cholula 14.7.10 (Nie 5247) x
1329 Mayorazgo 7.7.07 x
--- Entre S. Barbara et Cinto 27.6.07 x
--- St. Barbara 20.6.10 (Nie 5204) x
M. 5822 Puruaran 25.8.10 x
2808 Rincon 25.7.09 x
DF-8265 Mixcoac Olivar 7.IX.1913
[P. Bords de l'atoyac Nie. in 1909 (p. 485 Panicum) 57 liste E — ox]

" commutatum Schultz M 9128 — Campanario 12.IX.1912
" expansum Hitchc a Chase M. 5657 Zapote 21.8.10 x
P --- Laguna S. Baltasar 1.8.09 (Nie 217) x
" " ——— id ——— 21.7.1911 (Nie. 5879)

189 b

Panicum diffusum Swartz. M. Daveau dit: " Vos exemplaires se rapportaient exactement à cette espèce citée par Hemsley (Biol. Cent. Am. III. p. 487) et à l'exsicc. de Bourgeau n° 2751 cité par Hemsley. — D'autre part ce même exsicc. de Bourgeau 2751 est cité par Hitch. & Chase (north Am. Panic, p. 77, n° 37) pour le P. Ghiesbreghtii Fourn. Il y a donc eu erreur d'Hemsley, que j'ai eu tort de suivre. Le nom de P. diffusum ... à conserver par: diffusum

7 Basile 52 Vicinity of Queretaro — 1912
" " 51 " " " 1912 sent by
" " Brother Léon (no other data)

True! (I have none of Basile's plants) Straminicum

Pan. straminicum "60" small figures Weigel label
" Morelia: Puruato, bords du ponts
9. 8. 1909. Coll Nicolas Arsène
[??] must be 2985. but! Transformation of date very curious except date 4.8.09 //

Pan. Madhuense p. 517 Trop. Pan Weigel label yadkinense dans nos
lieux herbeux Coll. Nicolas
ist E. (What M. Daveau answers.)
tion South of U.S.
the uncertainty of local-
th Weigel labels, probably not mine

Panicum yadkinense Ashe
à supprimer

See list of Bro. Nicolas

Mexico: Puruato
20 VI 1909 Date changed [??] either 5187 or 8700?

Oplismenus burmanni "62" small fig. Weigel label
Mexico: Morélia Rincón. 19. 9. 1909 Coll Nicolas Arsène =2541

Oplis nanipluens "46" small figures Weigel label
Mexico: Morelia, Loma Santa Maria 900 m
XII 1909. Coll: Nicolas Arsène =3647

189 b

Panicum diffusum Swartz. M. Daveau dit: " Vos exemplaires se rapportaient exactement à cette espèce citée par Hemsley (Biol. Cent. Am. III. p. 487) et à l'exsic. de Bourgeau N°. 2751 cité par Hemsley. — D'autre part ce même exsic. de Bourgeau 2751 est cité par Hitch. & Chase (north Am. Panic, p. 77, n°. 37) pour le P. Ghiesbreghtii Fournier. Il y a donc eu erreur d'Hemsley, que j'ai eu tort de suivre. Le nom de P. diffusum doit être remplacé par: diffusum

7 Basile 52 Vicinity of Queretaro — 1912
" " 51 " " " 1912 sent by
Brother Léon (no other data)

True! (I have none of Basile's plants)

Pan. stramineum "60" small figures Weigel label
" Morelia: Puruato, bords du pont
9. 8. 1909. coll Nicolas Arsène cited Trop. Pan.! 478

Stramineum

[??] must be 2985. but? Transformation of date very curious except date 9. 8. 09

Pan yadkinense p. 517 Trop. Pan Weigel label
Mexico, Puebla: bords des lieux herbeux coll. Nicolas
24. V. 1909. This is 4 of list E.
This is the only collection South of U. S.
From what we now know of the uncertainty of local-
ities on specimens with Weigel labels, probably not any

Yadkinense

What M. Daveau answers.

Lasiacis sorghoidea
86 small figure (Weigl label)
Mexico: Puebla: Rincón, près de Morelia,
20 VI 1909 coll Nicolas Arsène

Date changed [???] either 5787 or 8700?

Oplismenus burmanni "62" small fig. Weigl label
Mexico: Morélia Rincón, 19. 9. 1909 coll Nicolas Arsène
=2541

Oplis nanpleus "46" small figure Weigl label
Mexico: Morelia Loma Santa Maria (900 m
XII 1909. coll: Nicolas Arsène =3647

diffusum

Panicum diffusum Swartz. M. Daveau dit: " Vos exemplaires se rapportaient exactement à cette espèce citée par Hemsley (Biol. Cent. Am. III. p. 487) et à l'exsic. de Bourgeau N° 2751 cité par Hemsley. — D'autre part ce même exsic. de Bourgeau 2751 est cité par Hitch. & Chase (North Am. Panic, p. 77, n° 37) pour le P. Ghiesbreghtii Fournier. Il y a donc eu erreur d'Hemsley, que j'ai eu tort de suivre. Le nom de P. diffusum serait donc à supprimer et à remplacer par:

P. Ghiesbreghtii .. 8976, 2417 et 8376., les deux derniers Nos. ont été détorm. hirticaulon Pearl. par Hackel (par erreur.)

Stramineum

Pan. stramineum H. & Ch. — N° 2985 — Cet exemplaire cité par les auteurs Trop. North. Am. Sp. of Panic. p. 478, n° 24 — (hirticaulon sec. Hackel) — avait été rapporté au P. Ghiesbreghtii duquel il me paraît inséparable. Il est nettement différent de l'échant. de Langlassé N° 263 mentionné par les mêmes auteurs à la même page. (Y a-t-il quelque erreur ?.) (Daveau)

yadkinense

P. yadkinense. M. Daveau dit: " M'est totalement inconnu, et n'existe pas dans nos collections, du moins sous ce nom ".

It remains only to ascertain if in the Herb. of Bro. Nicolas — that "Singley" I have located — the plant is also absent in order to be sure, absolutely, about this Panicum and dispose of it. (Feb. 1928)

This plant was not collected by Bro Nicolas. Cf. list from the Muséum d'H^te Naturelle (Déc. 1931)

P. olivaceum H & C. 6270 avait été nommé par Hackel P. multiramosum Scribn.
P. paludivagum H & C 2679 — — idem — — — P. appressum Lamk.

M. Daveau: " Panicum decolorans HBK, n'existe pas dans nos collections et je n'ai jamais reçu au-delà de 9411 ".
The Nrs. above 9411 were put by Mr. Standley and myself at Washington upon plants never sent to Montpellier.

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL BOAR

(Stamp of Local Board.)

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.	C (S) a

Panicum (suite) decolorans H.B.K. Q. 10393 Queretaro (Agniel) x
10269 — — x
[Queretaro Basile 51, 52, p. 478 Panicum]

" ~~diffusum~~ Swartz M 8976 Punguato 5.IX.1912
" ghiesbreghtii Fourn. M. 2985 Coronilla 8.8.09 x
2417 Ch. des Pares 1.8.09 x
" ~~hirticaule~~ Presl. M 8376 Punguata 5.IX.1912
" lepidulum Hitchc. & Chase M. 2864 Punguato 9.8.09 x
" ~~milioides~~ Nees P. ... R. Posadas 27.5.09 (Arsène 98) x — see Muhlenb. plumbea p. 196
" obtusum H.B.K. P. 1595 Acatzingo 8.07 (Amable) x
Q. 10263 Querétaro (Agniel 39) x
10394 — — x
" olivaceum Hitchc. & Chase NL 6270 Monterrey, Cercado, rio 8.11 (Abbon 256) x
" paludivagum Hitchc. & Chase M 2679 W. Zapote 25.8.09 x
" stramineum Hitchc. & Chase M. 2985 Coronilla 8.8.09 x
[60 .. Morelia Arsène (p. 478 Panicum)] o x
" yadkinense Ashe [P without locality. Nic. in 1909. p. 517 Panicum] o x
-- 4 liste E

Portés à Panicum sur mes listes
P .. Mayorazgo 4.7.07 x
-- Teponaxtitl 11.7.07 x Panicum bulbosum
M -- Coronilla 8.8.09 x Pan. bulbosum sciaphilum (Rupr.) Hitchc.

Lasiacis sorghoidea (Desv.) Hitchc. & Chase
M. 2976 S. Maria 26.8.09 x
5287 Rincon 8.9.10 x
8487 Jardin S.C. 2.6.12 x
8700 Rincon 21.8.12 x
6096 Cuincho 1910 x not in Gray Herb.
[86 liste E] o x

Oplismenus burmanni (Retz.) Beauv.
M. 3130 W. Morelia 7.10.09 x
2541 Rincon 19.9.09
8438 Cuincho 11.X.1912
[62 liste E] o x

" hirtellus (L.) Beauv.
M. 3115 Huerta 15.10.09 x
" rariflorus Presl. M. 3647 St. Maria 12.09 x
[46 .. liste E] o x

190 b

Echeveria

Nicx. Je 256 sub calorum P. Cholula Nic. 1910
is crusgalli zelayensis
It bears same data exactly as 5246 Nicolas (see
below) and is the 41 (small figures Weigel label)
of list E.

yes

E. crusgalli cumpanonis

Jr Basile 30	Vicinity of Queretaro		1912	no other data, both from Br Léon
" 31	"	"	1912	

True!

list C Puebla no date is a plant very
like specimen 177 5.8.06; may be the
same collection

may be my 177 = 94 à Montpellier
see below p. 190 b.

Basile 36 Vicinity of Queretaro 1912) from
" 54 " " " 1912) Brother Léon
are E. crusgalli zelayensis

true!

Morelia Arsene in 1910 cited p. 148, vol 2-3. is

" Chemin de Pares, Morelia. 6.7.1910. Coll J. Arsene
Received from Field Museum of Natural History, Chicago
It is bar zelayensis

[??]

5 2 small figures top of [Weigel label]
Morelia Loma Sta Maria 9.8.1909. coll Nicolas Arsène.
E. holciformis

May be 2945. date changed

[L. S. Maria, Chemin des Parres are the same (about)
Chemin → Loma St. Maria →

5 1 small figures top of [Weigel label]
Morelia, à l'ouest de Morélia 3 X 1909
E. ophiuroides coll Nicolas

perhaps 3079 = holciformis ???

this case

its.

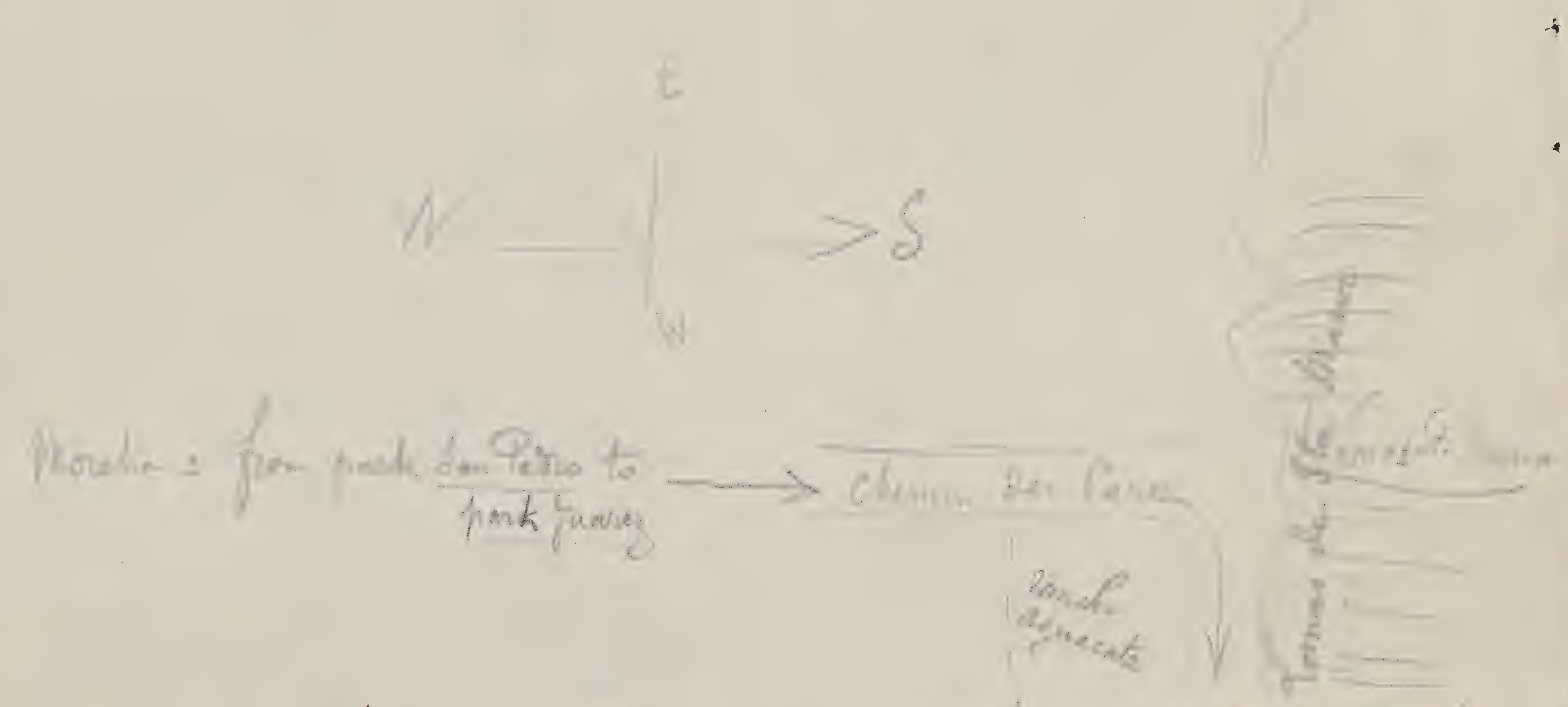
much later

of his

his own, and unfortunately so, because afterwards, he, Mr. Daveau and myself had some trouble to fix the things in the right form. — Happily such mistakes (?) took place only for the Nos. 1 to 944, it was unfortunate enough!

190 b

A Montpellier, ... N° 94 = mon 177 St. Juan ... 5.X.1926 [illegible]



Bro. Héribaud did the same (see under *) for at least a part of Bro. Nicolas' Coll., but in this case we know (see for instance p. 201 Sphenopholis obtusata (Nic 5169 = 528) these two Nrs. are on the label at Montpellier).

E. oplismenoides (Fournier) Hitchcock. — Suivant M. Daveau,

Il y a la forme mutique 8377 Punguato, 2200 – 5.IX.1912

et la forme longuement aristée : Nicolas 300 (Rancho Posados) 29.VIII.1909 et 177 (N° 94 à Montpellier) St. Juan (p. parte) cité à E. mitis.

* When I sent the first plants to France, I was not knowing that I will collect so much later and Bro. Héribaud did not take my numbers in considération. He made a series of his own, and unfortunately so, because afterwards, he, Mr. Daveau and myself had some trouble to fix the things in the right form. — Happily such mistake (?) took place only for the Nrs. 1 to 944, it was unfortunate enough!

190

× 92 (à Montp.) Cerro S. Juan 25.8.06

Echinochloa colonum (L.) Link P. - Cholula Nic. 1910 (p. 256 M.G.) o× = crusgalli zelayensis see below
M. 3360a Jardin S.C. 23.8.09 ×
P. 493 C. S. Juan 15.8.06 ×
--- R. Posadas 10.9.09 (Nic 315) ×

" crusgalli Beauv. Q. 10280 Queretaro (agricol 17) × = var. cruspavonis

" " crus-pavonis (HBK.) Hitchc.
P. M. 3280 Jardin Morelia 27.7.09 ×
[Queret. Basile, 30, 31 / M. Arsen 10280 p. 149 vol. 22-3] o ×

" " mitis (Pursh.) Peterm.
M. 5117 Rte Mexico 13.9.10 ×
5815 Punguato 25.8.10 ×
P. 177 C. S. Juan 5.8.06 × = # 94 à Montpellier
[liste C: Puebla date & No. lacking "vicinity of Puebla, State of Puebla, Bro. G.)"] o × Carreame Coll

" " Zelayensis (H.B.K.) Hitchc.
P. 2219 Chiquihuite 8.8.07 ×
2029 Acatzingo 7.07 (Amable) ×
1382 S. Barbara 16.8.07 ×
--- Cholula 14.7.10 (Nic. 5246) ×
M 2960 Zapote W. 22.8.09 ×
Q 10264 Queretaro (agricol) ×
P. ... Fort Loretto 9.9.09 (Nic) [...] Rancho Guadalupe 9.9.09
[p. 148 vol. 22-3. : Queret. Basile 36, 54 ; Mor. Arsen 1910 / liste E 41 en 1910.] o ×

" holciformis (H.B.K.) Chase
M. 3079 West Morelia 3.10.09 ×
2945 Chemin des Pares 2.9.09 ×
[liste E 52 --] o ×

" oplismenoides (Fourn.) Hitchc. P. ... fort Guadalupe 10.9.10 (Nic 5444) ×
× --- ——— 29.8.09 (Nic. 300) ×
176 C. S. Juan 5.8.06 ×
M - 8377 Punguato 5. IX. 1912
[liste E, 51 P. en 1909] o ×

" polystachya (HBK.) Hitchc. M. 5655 Nord Zapote 21.8.10 ×

(sub nom. Oplismenus colonus Kunth M. 5644 N. Zapote 21.8.10
5106 Rte Mexico 13.9.10)

Echinochloa .. M. :- Quinceo 25.5.09 ×
E. crusgalli cruspavonis

191[1]

Echeveria geminiflora
40 small fig. top ✓ Weigel label
Mex Puebla: Acatzingo - District de Tepeáca
17.7.1909. coll Nicolas (205)!

55 small fig top ✓ Weigel label
Mex: Morelia: Jardin du College S.C.
27.7.1909. Coll Nicolas Arsene. = 3292!

We have Fre Basile 45, vicinity of Queretaro 1912
* from Brother Léon. True!
Do this same as --8401 - no (? see note)
Basile 46 same data, from Br. Léon.
true!

Basile 47 vicinity of Queretaro 1912
" 48 " " " 1912 | from Br Léon
true!

20 small fig. Weigel label
Mex Puebla: Bord de l'Alcazac 10.9.1909. coll: Nicolas (314)

83 small fig Weigel label
Mex — Morelia: Loma Santa Maria (1400m.
15-8.1909. coll Nicolas Arsene = 2940!

* Bro. Basile sent some plants directly to Bro. Léon. (Bro. Basile, actually à Bernalillo)
(from Querétaro)

Sent to Wash. (from Montp.) Ch. Gisebachii (Fourn.) Scribn. 9379 [27.VI.1927]

8054 Chaetium bromoides (Rest.) Benth.
M. 5445 Huerta 1.9.10 x

Chaetochloa geniculata (Lam) Millsp = Chaet. = S. gracilis HBK = S. penicillata Beal.

P 10103 Mayorazgo 4.7.07 x
331 C. S. Juan 5.8.06 x
1678 Calzada aguazul 4.8.07 x
1409 Mayorazgo 18.7.07 x
— — R. Posadas 17.7.09 (Nic. 205) x
2040 Acatzingo 7.07 (Amabile) x
229 Desierto la Piedad 29.9.06 x
2254 Acatzingo, Apipilco 7.07 (Amabile) x
1037 Zapotanitlán 11.7.07 x
1274 Mayorazgo 10.9.07 x
M 5755 Puruarán 25.8.10 x
2858 —— 9.8.09 x
5898 —— 25.8.10 x
3292 Jardín S.C. 27.7.09 x
2680a W. Zapata 25.8.09 x
2680b —— —— x
DF 8805 San Jacinto 11.8.13 x
C 6374 Salitrillo 1911 (Adole 94) x
NL 6298 Monterrey Pastora 7.11 (Abbon 164) x
6324 —— fundición —— (Abbon 106) x
Q 10271 Querétaro (Agricl 16) x
M. 9401 — Mur du Jardin 20. VIII. 1912

[p. 168, vol 22-3 Querétaro Banda 45, 46.
—— —— P. acatzingo Nic 1909.
Lue E 40 ..
—— 55 ..] ox

" grisebachii (Fourn) Scribn. P. 1262 Mayorazgo 10.9.07 x
1259 —— x
— — R. Posadas 15.8.10 (Nic 5409) x
— — —— 10.9.09 (Nic 314) x
M 2998 Coronilla 3.8.09 x
2940 S. María 15.8.09 x
3095 Jacona 10.10.09 x
— — Puruarán 5.9.12 x
Q 10275 Querétaro (Agricl 11) x
10346 —— (——) x
DF 8282 Olivar 7.9.13 x
DF. 9379 Mixcoac, talus du rio de Cacubaya 21. VIII. 1913

[p. 183, vol 22-3 Querétaro Banda 47, 48
Lue E in 1909. 83 --
—— 20 ..] ox

192 6

9379. DF. Mixcoac. Cañas de rio de Tacubaya 2270 m. 21. VIII. 1913. – Recciv.d a spec. from Montp. named by Mr. Chase (Chaetochloa Grisebachii (Fourn.) Scribn

Chaetochloa macrostachya
Fr Basile 49 vicinity of Queretaro 1912 | from Dr Léon
" 50 " " " " true!

Pennisetum crinitum
7 is from Field Mus. Nat Hist. Chicago. I surmise part of a specimen from Prince Bonaparte or from Weigel. The data agree exactly with 5741 !

North of Loma del Zapote, alt 1950 m. Vicinity of Morelia, State of Michoacan Sept 26. 1909
no — Bro G. Arsene
from Nat Museum !

Cenchrus orides
26 small fig (Weigel label) cited Mex Gr. p. 269 [??]
Mex: Puebla: bordes de routes 4 ii 1908
coll: Nicolas

Hamulocnodeus hexandrus
Puebla: Cerro Guadeloupe 9. XI. 190X [??] coll: Nicolas
" " San Juán coteaux harbeux
1200 M. 15. 10. 1910. coll: Nicolas
May be the 400 Nic all data changed except: 15 Octobre
" San Baltazar 1000 m. 18. 9. 1910. coll: Nicolas
"106" small figures = Nic. 5472

(alle Weigel labels)

192 6

9379. Df. Mixcoac. Talus du rio de Tacubaya 2270 m. 21. VIII. 1903. – Reccis a spec. from Mextp. named by Mr. Chase (Chaetochloa Grisebachii (Fourn.) Scribn.

Query !

(Demande de renseignements.)

Phalaris caroliniana. — 1° Walter, Flora Caroliniana p. 74 dit " panicula spicata ovata, petalis aristatis, calycibus striatis."

2° Britton & Brown. Illust. fl. North Amer. Vol. I, p. 130 fig. 291, représente un épi long, cylindrique, et 2 écailles à la base de la fleur

3° D'après Washington (H. C.) 5725 (auquel il faut joindre 5459 Nic qui est identique) paraît Ph. caroliniana Walter. C'est tout à fait notre Ph. minor Retz ! et la fleur n'a qu'une écaille à la base comme dans vos deux échantillons. — Ils ont bien la panicula "spicata ovata" comme le dit Walter mais c'est peu pour décider. — En outre il y a ~~controverse~~ controverse dans la Synonymie. Britt & Brown y joignent Ph. intermedia Boiss et Ph. americana Ell. — D'autres le Ph. augusta Nées voisin serait synonyme de Ph. caroliniana de Britton & Brown qui ressemble à un Phleum.

Malheureusement Hitch & Ch. ne donnent pas la synonymie de leur Ph. caroliniana. Comment expliquer la divergence avec Britt & Brown ?... — Pour moi le Ph. carol. de Walter est énigmatique, la diagnose vraiment insuffisante. (Mr. Daveau)

This list consists of ---------- pages.

LOCAL BOARD:

Date ---------- By ---------- Chairm

Secre

NOTE.—The necessary number of extra pages will be inserted. The notation "List of names of persons whose registration cards are in possessi
local board—Cont'd" and the number of the page will be entered on each page.

8—41

Chaetochloa (suite) macrostachya (H.B.K.) Scribn. & Merr.
NL 6182 Monterrey, Bella Vista 5.11 (Abbon 8) ×
6300 —— Pastora 7.11 (Abbon 162) ×

" verticillata (L.) Scribn. Q. 10381 Querétaro (Agniel) ×
10279 —— (Agniel 18) ×

[(P. 180 ...) ... Basilio 49. 50] ×

Reçu sub nom. Setaria effusa Fournier M 5925 Jardin S.C. 10.11 × Chaetochloa sulcata (Aubl.) Hitchc.

" grisebachii (Fourn.) Scribn. ~~caudata Roem. & Schult.~~ ... 9379 DF. Mixcoac, rio de Tacubaya 21.8.1913

? P. ... C Guadalupe 1.9.07 × = C. geniculata

Pennisetum crinitum (H.B.K.) Spreng.
M 2412 Ch. des Pares 1.8.09 ×
5741 Punguato 9.10 ×
? ... N. Zapote 26.9.09 ×
[liste E ... 7 ...] o ×

Cenchrus echinatus L. Q. 10261 Querétaro (Agniel) ×
" myosuroides H.B.K. Q. 10270 Querétaro (Agniel) ×
" viridis Spreng. [P. 269 M.E. Nic. in 1908
liste E Nic. 26] o ×
" pauciflorus Benth. P. ... Ha Cristo 12.12.09 (Nic. 5057) ×
1594 Acatzinco 8.07 (Amable) ×
T 15 S. Ana Ch. S. Sebastian 15.11.06 ×
NL 6150 Monterrey, partout 7.11 (Abbon 63) ×
Q. 10259 Querétaro (Agniel) ×

Homalocenchrus hexandrus (Swartz) Kuntze = Leersia hexandra Swartz
P. ... Laguna S. Baltasar 18.9.10 (Nic. 5472) ×
× P. ... Rancho Posadas 15.X.1909 (Nic. 400)
M 7238 Jardin S.C. 6.6.09 ×
2410 Ch. des Pares 1.8.09 ×
2949 S. Maria 2.9.09 ×
5886 Punguato 25.8.10 ×
5569 C. S. Miguel 15.9.10 ×
... Punguato 25.8.10 ×
... Rincon 15.9.09 ×
[liste E Nic. in 1908
" " 1910
" 106] o ×

Phalaris canariensis L. M 3281 Jardin S.C. 27.7.09 ×
" caroliniana Walt. × P. ... Manzanilla 5.12.10 (Nic. 5725) ×
× ... Cholula 15 sept. 1910 (Nic. 5459)
? DF ... Guadalupe H. Rancho S. Juanito 28.8.13 × P. minor Retz.
P. ... Calvario 1.9.07 × Phal. canariensis

193 b

A. lanuginosa Scribner = A. Scribneriana Hitchc. = Nº 2631.
Deux espèces étaient en mélange sous ce Nº 2631:
1º Chaumes laineux hispides = A. lanugin. = A. Scribner.
2º Chaumes glabres = A. spadicea.
La date est bien 15! X. 1909. (sec. Darsay)

Mex — Morelia: Cumas de la Huerta 1500 M. 11.X.1909. Coll Nicolas Arsène
" is A. scribneriana [Data agrees with 2631, except 11 instead of
15. Was 15 [French 5] misread as 1? Probably!) = 2631!

Aristida longiramea = A. spadicea (see Hitchc p. 551)
" Mayorazgo vicinity of Puebla July 18. 1907 Bro & Arsène "
is A. spadicea [??]

---

69 annual fig. [Weigel label]
Mex — Morelia: à l'Ouest del Zapote. 25. 8. 09. coll. Nicolas Arsène
is A. spadicea = 2681 ??

Nicolas 100 annual fig [Weigel label
Puebla: Route de Mexico 8. 9. 1909. coll: Nicolas
is A. spadicea ! = Mc 302 ??
Rte Mexico : Ranchos Posadas more or less.

Nicolas 43 annual fig [Weigel label]
Puebla Cerro Guadeloupe, 800 m 9. 6. 1908. coll Nicolas
is A. divaricata [??]

193

Aristida adscensionis L. M. 3097 Prison Morelia 10.10.09 (Adolelm) ×
5890 Punguato Sud 25.8.10 ×
DF 8874 Loma Cacapula 16.10.13 ×
DF 8352 et 8354 Loma de Cacapula 10.X.1913
M 8381 – Punguato 5.IX.1912
8350 – Rte. de Mexico 19.IX.1912
P ... Puebla – Sta Barbara 15.X.1910 (Nic 5652)
" arizonica Vasey P 1041 Tepoxuchitl 11.7.07 ×
1780 Laguna Chapulco 19.11.08 ×
... San Balthazar 6.V.1910 (Nic 5361)
M 2594 Punguato 30.9.09 ×
2972 L. S. Maria 26.8.09 ×
" divaricata Humb. et Bonp. P 156 Rancho Calera 11.10.06 ×
238 F. Guadalupe 30.9.06 × = 113 à Montpellier
244 ——— ——— ×
247 ——— ——— ×
328 ——— 9.9.06 ×
1879 Rt Mexico sous S. Juan 21.9.07 ×
M 2681 W. Zapote 25.8.09 ×
DF 8877 Loma Cacapula rio S. Borja 16.10.13 ×
9 ... (Basile) 29
9187 Mixcoac Lomas 11.VIII.1913
DF 9372 Mixcoac Loma de Cacapula 16.X.1913

[lanuginosa Hitchc. liste E – 70 – ~~A.~~ A. scribneriana
longiramea Presl. – 18-7.07 – A. spadicea
69 – A. spadicea
Nic. 100 – A. spadicea
Nic 43 – Aristida divaricata]

Ne sont pas in North Amer. Spec. of Aristida (part 7.)

schiedeana Trin. et Rup. P. 159 Rancho Calera 11.10.06 ×
166 ——— ——— ×
245 F. Guadalupe 30.9.06 ×
1669 Tepoxuchitl 11.7.07 ×
1903 ——— 16.9.07 ×
2289 R. Posadas 20.9.08 ×
T 19 Amitlalpilco S. Ana 15.11.06 ×
M 5872 S. Maria 4.9.10 ×
6997 C. S. Miguel 12.10 ×
7343 C. Azul 4.11.09 ×
" Scribneriana Hitchc. = A. lanuginosa Scribn. M. 2631 Huerta 15.10.09 ×
" spadicea H.B.K. P. 1602 R. Posadas 6.8.08 ×
— — ——— 8.9.09 (Nic 302) ×
1627 Manzanilla 24.11.08 ×
M 2432 Punguato 2.9.09 ×
2474 Huerta 15.10.09 ×
2594 a Punguato 30.9.09 ×
2629 La Huerta 15.10.09 ×
2647 Las Nalgas 9.9.09 ×
2652 ——— ——— ×
2922 S. Maria 15.8.09 ×
5113 Rte Mexico 13.9.10 ×
2972 Loma St. Maria 26.VIII.1909
– – 9118 – Campanario 12.IX.1912

Aristida tuberculosa
[Weigel label] Puebla: coteaux secs XII. 1908
coll Nicolas

A. tuberculosa from Field Mus. Chicago
Morelia, Mex. Talus
VI 1909. coll ~~Nicolas~~ Arsène Me. never went to Morelia

to be [illegible]

" "
Champs et coteaux
Monterey Mex 9. 8. 1912
coll by Abbon

Says Montpellier: "pas de A. tuberculosa dans ses récoltes. ~~récoltes~~." Exist !] unless, which is more than doubtful, some exist in Nicolas' Herbarium.

See notes p 194b

tuberculosa ! exemplaires

These 3 are only records outside U. S. The Field Mus. specimens are doubtless parts of Weigel plants and all erroneous

We have Aristida spadicea Rancho Posada, alt 1924 m vicinity of Puebla, Sept 25. 1909 no — Bro G ~~Arsène~~." (Nicolas) in 1909 !

Should this be Nicholas? yes

in 1909 I was in Morelia

see sub coarctata p. 194.

We have Stipa ichu (Weigel label
"Puebla: Manzanilla, coteaux ensoleillés
24. X. 1909 Coll Nicolas"

Is this either 9401 or 9407? (no)

Bro [illegible] Knew

see notes

Mine 1695, is from Manzanillo.
24. XI. 1908 !! ??
Weigel 24. X. 1909

Probably mine?

Stipa Ichu = M. Daveau répond: " Je n'ai de cette espèce aucun échantillon recueilli par frère Nicolas !
" De Puebla j'ai: Arsène, Manzanilla 24. XI. 1908 = No. 1695 !
" Acatzingo VIII. 1907 (amable = Nos. 1572 et 1575 ! " [plus 9401 et 9407].
But, as I have written in some other place, unfortunately, all has not been submitted to Mr. Daveau.

[illegible] au Mus. [illegible] et Paris

76 small fig [Weigel label]
"Morelia: Cerro Azúl ~~1800~~ 2200 m. 15 · 9 · 1909.
Coll: ~~Nicolas~~ Arsène."
= 2699
Data exactly that of 2699. !

(This form may be cut along the top if necessary in binding.)

NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL B

This list consists of ______ pages.

LOCAL BOARD: ______

By ______

Date ______

NOTE.—The necessary number of extra pages will be inserted. The notation "List of names of persons whose registration cards are in the possession of this Local Board—Cont'd" and the number of the page will be entered on each page.

tuberculosa!

Aristida tuberculosa Nutt. M. Daveau dit: " Nous ne possédons que deux exemplaires " de cette espèce! l'un de New York, l'autre de Massachusets."

Hence ....!

Certainly A. tuberculosa was not collected by Bro. Nicolas in Mexico. Cf. List of his plants at the Muséum d'H^re Naturelle.

(Déc. 1931)

Mine 1695, is from Manzanillo.
24. XI. 1908 ?? ??
Weigel 24. X. 1909 .. ..

probably mine?

Stipa Ichu = M. Daveau répond: " Je n'ai de cette espèce aucun échantillon recueilli par frère Nicolas!
" De Puebla j'ai: Arsène, Manzanilla 24. XI. 1908 = No. 1695!
" Acatzingo VIII. 1907 (Amable = Nos. 1572 et 1575! " [plus 9401 et 9407].

But, as I have written in some other place, unfortunately, all has not been submitted to Mr. Daveau.

The late Nicolas herb. shows only Stipa mucronata at Paris

Aristida (suite) tuberculosa Nutt. [P. ... Nic. dry hills 1908 ×
M — Nic en 1909 ×
NL ... Monterey (Abbon 1912) ×
liste E Nic en 1908] CX

(à supprimer, Déc. 1931)

" ne sont pas dans le mémoire sur Aristida

{ cornutata H.B.K. P. ... R. Posadas 25.9.09 (Nic) ×
M. 5857 Vers Huerta 1.9.10 × arizonica
3087 Buen Morelia 10.10.09 arizonica
+ interrupta Cavan. — M. 8430 La Huerta 11.X.1912
× Spadicea H.B.K. P. ... R. Posadas 10.8.09 (Nic 277) × arizonica
? M. ... St. Maria 17.9.10 × A. arizonica }

Stipa (The North American Species of Stipa vol. 24 p. 7.)

" clandestina Hack. C. 3467 Saltillo mars à mai 1909 (Nic 23) ×
3441 — 3.08 (Nic 19) ×

all from Saltillo Bro. Nic. coll.

Only 2 collections; all remaining indications are erroneous. Not "prope Michoacán" as it is said on the label of the type – (Nic in 1909, error, the faulty one to be put on the copyist of the label.) [Nicolas remained always near Puebla] Arsène never went to Saltillo.

" ichu (Ruiz & Pavon) = S. Jarava Beauv = S. eriostachya H.B.K.

DF 8804 San Juanico 11.8.13 ×
× P. 1695 Manzanilla 24.11.08 ×
× 1572 Acatzingo 8.07 (Amable) ×
× 1575 — — ×
+ DF 9401 Cimetière de Dolores 2300 m. 2.XI.1913, Mexico City
+ d° 9407 — d° — — d° — — d° —

" mucronata H.B.K. P. 220 sous S. Juan 30.9.06 ×
2177 Esperanza 19.11.07 ×
1183 Fort Guadelupe 3.10.07 ×
T 30 Sta Ana – Acuitlapilco 15.11.06 ×
+ P. 112 Puebla, terrains incultes 11.XI.1906 (112 at Montpellier)
+ DF 9410 Mixcoac El Olivar 30.XI.1909

au Muséum: P. R. Posadas 14.09 Nic

" tenuissima Trin. C. 3469 Saltillo 1600 m. rare 4.09 (Nic 5) ×
P — Esperanza 19.11.07 ×
× [p. 258 Stipa, no Saltillo Arsène but Nic collect.]

" virescens H.B.K. = S. Arsenii Hack.

M. 2699 C. Azul 15.9.09 ×
7338 — 4.11.09 ×
5375 — 9.3.11 ×
6998 C. S. Miguel 12.10 ×
5305 — 12.10 ×
6749 Campanario 14.9.11 ×
3211 Quinceo 11.11.09 ×
+ — 9122 Campanario 2200 m. 12.IX.1912

[liste E 76.]

St. Arsenii [type, 3211] has been examined in the Hackel Herbarium.

1956

list E all Weigel labels small figures
all Muhl. affinis

66 "Morelia: Cerro de las Nalgas (1940?) 1400 m
9.9.1909. coll Nicolas Arsène = 2590 p. 197

90 "Morelia: Puruguato 18.9.1909
coll Nicolas Arsène = ? 3146 18.X.1909 (Weigel 18.IX.1909)

97 "Morelia: Loma Santa Maria
2.9.1909. Coll Nicolas Arsène = 2947 page 197

We have Muhl affinis not listed by you:
Mexique - Quinceo près de Morelia "11 1909 f Arsène"
no number. Is this M 3199 (see page 9 your catalogue 197)?
(from Montpellier?) yes!

Mexique: Nord de Puruguato, près Morelia 2/9 1909
F. Arsène"
No number (from Roland Bonaparte) is 2436 - p. 197

(Weigel label) (47 in small fig. at top
"Morelia: route de Mexico 1950 Coll Nicolas Arsène
13. 9. 1910. ? may be 5118 named elata.

"Loma de la Huerta, près Morelia, Mexique
18/10/1909. Coll. Arsène (From Field Mus. Chicago probably part of Weigel specimen?)
(May be 2633 or 2627 or 2470 Lomas de la Huerta 15.10.09 p. 197 ?

Muhl. ciliata list E 85 small fig. Weigel label
"Mex — Morelia Cour de la Prison (20 X 1909. coll Nicolas Arsène
10
= N°. 3099 10.X.1909

195.6

(This form may be cut along the top if necessary in binding.)

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCA

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.

Stipa . . . P. .. Forte Guadalupe 30.9.07 × A. mucronata

Muehlenbergia affinis Trin. P. 249 C. Guadalupe 30.9.06 ×
167 Rancho Calera 11.10.06 ×
2072 C. Chiquihuite 5.12.07 ×
1500 H. Guadalupe 26.9.07 ×
1573 Acatzingo 8.07 (Amable) ×
--- Cholula, terrell. 15.9.10 (Nic 5473) ×
T. 22 Acuitlalpilco 15.11.06 ×
M 2595 Penguate 30.9.09 ×
2677 —— NW. 26.9.09 ×
3146 —— 18.10.09 ×
5858 Vers Huerta 1.9.10 ×
5442 —— ——— ×
2466 Huerta 15.10.09 ×
DF 8878 Loma Cacapula 16.10.13 ×
[liste E 66 --
" 90 -] o ×
97]

" berlandieri Trin. DF 8881 Loma Cacapula 16.10.13 ×

" bourgaei Trin ×. DF 9361 Loma Cacapula 16.X.1913

" ~~capillaris~~ elata M 2465 Huerta 15.10.09 × is elata

" ciliata (H.B.K.) Kunth, (Trinius n'est pas l'auteur suivant Mexican grasses, p. 291, note)
P. 163 S. Barbara 11.10.06 × = 96 à Montpellier.
M. 6092 Cuincho 1910 ×
3190 C. S. Miguel 18.11.09 ×
3099 Pisco 10.10.09 ×
2599 Penguate 30.9.09 ×
DF 8871 Loma Cacapula 16.10.13 ×
× M-8437 Cuincho 11.X.1912
× DF. 8853 Mixcoac Loma Cacapula 16.X.1913
(liste E, 85) o×

~~" debilis Trin. = Podosaemum debile H.B.K.~~ — ~~126 b . . . (Pollo?) petit fragment, mélangé à 126 a Sporobolus ~~ K ~~(ex Dav.)~~
— à Muehlenbergia quitensis (ex Davem)

" ~~dentichophylla Kunth~~ — (ces mêmes N^os sont reportés à la page 199 sous le nom de Epicampes Emersleyi — Il y a une erreur; mais n'ayant pas d'échantillons, je ne puis opter pour l'un ou l'autre les listes de Washington me donnent Epicampes, les listes Davème me donnent Muehlenbergia)

M. 5438 Huerta 1.9.10 ×
2825 —— 20.10.09 ×
5446 —— 1.9.10 ×
5851 —— ——— ×
6803 C. S. Miguel 11.10 ×
5304 —— 12.10 ×
8585 L. S. Maria 11.12 ×

= Epicampes emersleyi (Vas) Hitchc.
same as those listed on p. 199.

~~Epicampes~~

(voir Davem)

Mudd. data Mex Gr p 300
2465 is cited, not "2645"
See M. capillaris (catalogue page preceding) !
"Lomas de la Huerta alt 1400 Morelia
G. Arsène Oct 15, 1909" specimen cited was from
Br. Léon. We have since received another
with original (Montpellier?) label
"M. [illegible] – 2645" data same as above except
Puebla 10.1.07. We have Mudd. guatemalensis with this date
but not labeled "toiture" is surely the one at the end p. 197 [... toiture, Puebla 10.1.07]
It is surely before the "Morelia" where the plant is common that
I took it. [January – we planted in the field ...]
is minor. Morelia

"Morelia: Quinceo 9 X 1909 coll Nicolas
Arsène.
(Irregular)

I have 3217 Quinceo but 11.11.09 =

M. implicata we have also: "near Morelia
G. Arsène, Oct 7, 1909." from Br Léon (I have 3093, 3100 Prison de Morelia the prison is just outside but date is 10.10.09 "

"Rancho Posadas près de Puebla 1/8. 1909. f. Nicolas
from Prince Roland Bonaparte " " "

"Près Morelia 7/10 1909. f Arsène " " " are true

Mudd longiglumis (Weigel label) [?? See p. 196 b (under)] (longiglumis)

Morelia: La Huerta 2000 m. 30 V 1909 coll Nicolas 30.V.1909.
cited Mex Gr p. 301. 1950 Arsène 1145

" Mudd. plumbea
7098 Mexique Etat de Puebla, Rancho Posada alt 2194 m !!
27 Mai 1909. f Nicolas" from National Museum (98 Mex) ?! (plumbea)
See p 196 b – } see note; perhaps 5423 Nicolas ; si cette laisse

100 anulle fig. (Weigel label)

" Puebla: Rancho Posadas 900 m. 1. 8. 1910. Coll Nicolas"
cited Mex Gr p. 296.

ment

Muhl. data Mex Gr p 300
2465 is cited, not "2645"
See M. capillaris (catalogue page preceding) !
"Lomas de la Huerta alt 1900 Morelia
G. Arsène Oct 15, 1909" specimen cited was from
Br. Léon. We have since received another
with original (Montpellier?) label
"No 2465-2825" data same as above except
date is "11/10 1909." [2465 is 15.10.09 (my 15 probably mistaken for 11)]

Arsène in 1909 cited sub Muhl. paucis Mex Gr 1907
is Muhl. montana
"Morelia: Quinceo 9 X 1909 coll Nicolas Arsène." (Weigel label)
I have 3217 Quinceo but 11.11.09 =

M. implicata we have also: "near Morelia
G. Arsène, Oct 7, 1909." from Br Léon (I have 3093, 3100 Prison de Morelia the prison is just outside but date is 10.10.09)
" Rancho Posadas près de Puebla 17/8. 1909. f Nicolas"
from " Prince Roland Bonaparte
" Près Morelia 7/10 1909. f Arsène " " " are these

Muhl longiglumis (Weigel label) [?? See p. 196 b (under)] (longiglumis)
Morelia: La Huerta 1900 m. 30 V 1909 (99) coll Nicolas Arsène 30.V.1909,
cited Mex Gr p. 301. 1950

" Muhl. plumbea
"3098 Mexique Etat de Puebla, Rancho Posada alt 2194 m ?! (98 Mex) (plumbea)
27 Mai 1909. f Nicolas" from National Museum
100 small fig. (Weigel label) [See p. 196 b] see note; perhaps 5423 Nicolas
" Puebla: Rancho Posadas 900 m. 1. 8. 1910. Coll Nicolas"
cited Mex Gr p. 296.

New Form No. 101.—P. M. G. O.
(LARGE SIZE)

KEY
Wh.—White.
Col.—Negro.
Ind.—Indian.
Or.—Oriental.

(Stamp of Local Board.)

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCA

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL BOARD—C

Page

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.	CC (S no 1

(LARGE SIZE)

KEY
Wh.—White.
Col.—Negro.
Ind.—Indian.
Or.—Oriental.

Pa

1916

M. plumbea (sub P. militoides p. 196) date is 27.5.09 you give 27.V.1910

(longiglumis)

Muhl. longiglumis. I don't find to what report this. Moreover the label gives 30.V.1909.
In V=May only a very few plants may be collected, and in very rare places.
Mr. Daveau says: "manque" - then (?)

(plumbea)

Page 199, sub Sp. poaeoides Hack., Montpellier possède ... Rancho Posadas 1 Août 1910 Nicolas 5423; si cette plante est le Muhl. plumbea de la page 196, les specimens du Nat. Mus. ✕100 sembleraient faire partie de ce Numéro. (fga)
M. Daveau dit: "Cette espèce étant inédite, n'en pas faire état, d'autant mieux qu'il s'agit probablement du Sporobolus plumbeus Hemsley (Vilfa plumbea Trin.), passé au Muhl. plumbea Trin."

Muehlenbergia (suite) elata Vasey M. 2627 identique à 2637 sec. Daveau
2637 Huerta 15.10.09 ×
2674 Punguato 26.9.09 ×
7393 Loma S. Maria 2.9.09 ×
5118 Rte de Mexico 13.9.10 ×
8378 Punguato 5.IX.1912
DF. 9370 Loma de Cacapula 16.X.1913
8878 — do — id —
9403 Cimetière de Dolores, à Mexico 2.XI.1913
2465
[5645 Morelia ... p. 300 M. Grass.] o ×

" gracilis H.B.K. [Morelia Arsène in 1909. p. 297 M.G.] o × = M. montana
" implicata (H.B.K.) Kunth [Ecrinius ... par l'auteur, see p. 195 M. ciliata]
P. 2280 H Guadalupe 8.10.08 ×
1875 Cerro — 7.11.08 ×
7168 — 30.9.06 ×
... R. Posadas 20.10.10 (Nic 5513) ×
T 1736 Sta Ana Ch. 10.11.08 ×
M 6616 Vers Huerta 1.9.10 ×
3193 C. S Miguel 18.11.09 ×
5567 — 15.9.10 ×
3093 Prison 10.10.09 ×
3100 — ×
DF. 8879 Loma Cacapula 16.10.13 ×
T 10141 S. Ana Ch. 10.11.08 ×
[liste C. 3096 a Interieur prison, Morelia Oct 10, 1909
liste E. Nicolas - 95] o × Weigel label Hac Noria 20.X.10
T. 26 S. Sebastian 15.11.06 ×
P. 48 Lac. S. Baltasar 25.11.06 ×
126a Acatzingo 1907 (Amable)
DF 8779 Mixcoac, El Olivar 16.X.1913
8783 — do — do — id —
9408 — do — Olivar 30.X.1913

" longiglumis Vasey [p. 301, Mex Gr. M. Arsène in 1909] o ×
" montana Hitchc. M. 5811 L. S. Maria 28.10.10 ×
3180 Au dessus Jesus del Monte 18.11.09 ×
3217 Quincao 11.11.09 (Arsène & Clavel) ×
5994 L. S. Maria au dessus du moulin 1910 ×
" plumbea Trin. [p. 296 Mex Gr. P. Nic. in 1910 --
liste E Nicolas 100 --] o ×
98 P. Rancho Posadas 27.V.1909 (Nicolas 98)
" quitensis H.B.K. = M. calamagrostidea Kunth, P. 329 Azotea S. P., S.P. 25.8.06 ×
— 10.11.10 (Nic. 5556) ×
329 Sous S. Juan 30.8.06 ×
1570 Acatzingo 8.07 (Amable) ×
M 3101 Prison 10.10.09 ×
Q. 10258 Querétaro (aguinal) ×
10386 ×
M. 8400 Mur du jardin Morelia 20.VIII.1912
[liste E, 20 --] o × Weigel label Morelia: cour de la Prison, 10.10.1909 Coll. Arsène
= 3101
126b Acatzingo 1907 (Amable)

197 b

M. spiciformis Trin. { 1799 / 1800 } named by Hackel in 1912. M. vaginata Hack. [illegible]

Nicolas 99 small fig Weigel label. Muhl. repens
Puebla: Hacienda Noria 1200 m. 20 X 1910 Coll: Nicolas. = Ni 5514!

Muhl spiciformis 9 small fig Weigel label
"Puebla: Marvazyo coteaux secs 12 (II) 1908 coll ~~Nicolas~~ arsene"
II = XI
[marked by Prof Hitchcock "Probably Maravatio in Michoacan"
corrected from your list to Mayorazgo cited p. 29. MG
= 1800!
(Good sample of "fantastic" transcription)

M. affinis ex Montpellier etc.
I write ①, ②, ③: the number of labels I made for these plants when M. Standley asked for them. These indicate that the exsicc. reached Washington! Probably the package did not pass under your eyes....
(February 1st 1932 fhg)

9371 } Muhl. depauperata Scribn c. Nicolas
8422 } Andropog. brevifolius Sw.
8681 } do
} see Chase (27.VI.1927) upon samples sent from Montpellier.

New Form No. 101.—P. M. G. O.
(LARGE SIZE)

KEY
Wh.—White.
Col.—Negro.
Ind.—Indian.
Or.—Oriental.

(Stamp of Local Board.)

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS L

1976

M. affinis ex Montpellier etc.

I write ✱ ⑪, ⑨, ㉛ : the number of labels I made for these plants when M. Standley asked for them. These indicate that the exsicc. reached Washington! Probably the package did not pass under your eyes....

(February 1st 1932 fhb)

9371 } Muhl. depauperata Scribn
8422 } Andropog. brevifolius Sw. } see Chase (27.VI.1927) upon samples sent from Montpellier.
8681 } do

Muhlenbergia (suite) repens (Presl.) Hitchc. [p. 296 Mex. Gr. P. Nic in 1910 liste E. Nic 99] ox
Nicolas 5514, Puebla Noria 20.X.1910
arrêw 105 (à Montp.) Puebla, talus de la route sous S. Juan 30.IX.1906

" rigida (H.B.K.) Kunth. P. --- C. Guadalupe 20.8.10 (Nic 5439) x
1490 —— 23.6.07 x
1904 Coyoacan 16.9.07 x
T 21 Acuitlalpico 15.11.06 x

" spiciformis Trin. P. 1277 Mayorazgo 10.9.07 x
1800 —— 12.11.08 x

[p. 296 Mex. Gr. Muhlenbergia Sm. 1910, je n'ai jamais été à Manantlan, probablement erreur pour Mayorazgo? liste E. 9] ox

" tenella Trin. Les N° 5441 et 5978 sont portés à Andropogon brevifolius p. 182 je ne puis vérifier quel est le vrai nom, are And. brevifolius!

" vaseyana Scribn. M. 2674 Tlalpuahuac 26.9.09 x see Epic. enumerati

M. affinis ex Montpellier P. 1546 H. Balsas 8.8.07 x ①
pas dans les listes 158 R. Calera 11.10.06 x ⓪
reçues de Wash. 232 C. Guadalupe 30.9.06 x ①
241 —— —— x ⓪
M 2633 Huerta 15.10.09 x ⑤
2627 —— — x ⑦
5444 — 1.9.10 x x ⑧
2436 Tlalpuahuac 2.9.09 x ⑤
5153 —— 9.10 x ⑥
6955 L. S. Maria 17.9.10 x ②
2570 Las Palgas 9.9.09 x ⑤
2691 Zapote 25.8.09 x ⑥
+ DF-8268 Mixcoac Olivar 7.IX.1913
+ M-8379 Tlalpuahuac 5.IX.1912

Reçu à Washington, mais pas dans les listes:
M. 3199 Quieneo 11.11.09 x ⑥
2947 L. S. Maria 2.9.09 x ③
2405 W. Zapote 28.8.09 x ②
2470 La Huerta, bornes 15.10.09 x ⑥
2648 Las Palgas 9.9.09 x ③
P 1288 C. Guadalupe 1.9.09 x ②
--- —— 5.8.07 x ⑦
--- Coltura, Puebla 10.1.07 x ③

" sp.? Curieuse espèce dont je n'ai que de maigres petits brins (ex Dav.)
Muhlenbergia depauperata Scribn. (M. Schaffneri Fourn.) -- 9371 D.F. Mixcoac, Loma de Cacapula 16.X.1913

" sp.? Bien que je ne puisse rapprocher cette curieuse graminée que du genre Muhlenbergia elle me paraît en différer très nettement par ses arêtes tordues comme dans les Stipa et les Aristida (ex Davies)
Andropogon brevifolius Sw -- 8422 - M. Cuicuilco 1950m. 11.10.12
see p. 182 " d° " -- 8681 - M. Loma del Zapote 4.10.12

198[b]

Lycurus phleoides (from U.S. Nat Mus)
Mayorazgo alt 2120 m. vic. Puebla, July 4. 1907
10104 Bro. G Arsene !

Lycurus phalaroides "60" [Weigel label]
"Morelia à l'Ouest del Zapote 25.8.1909. Coll Arsene = 2682
cited Mex Gr p. 305 rec'd from Br Léon.
Morelia Mich. coll G. Arsene Oct 10, 1909. = 3094

Lycurus phleoides Fort Guadalupe 2260 M. vicinity Puebla
247[a] Bro G. Arsene Sept 30. 1906. perhaps = 239 sub phalaroides see p. 198 *
The 7 is badly written and the clerk mistook it for 07.
it is phleoides not phalaroides

Sporob. confusus cited MG 308
Punguato, near Morelia, Michoacan coll G Arsene Sept 30, 1909

" confusus cited -- [Weigel label] Coll Nicolas
"Puebla: Rancho Posadas bord d'une riviere 11.X.1908
Montpellier has: 2303, same place and date, Col Arsène

26 Bro. G. Arsene Tlaxcala: petit bois de San Sebastian, pres Sta Ana
Nov. 16, 1906 (from U. S Nat Mus) sub S. indicus I have 25 same data.

48 Bro G. Arsene Laguna de San Baltasar, champ sec alt 2135
vic. Puebla Oct 25, 1906. !
We have also from Br Léon true!
Sporob confusus
"Cerro San Miguel near Morelia Fre Arsene coll. 15-11-1911"

Sporob bertroanus 14 small fig [Weigel label]
Morelia: interior future prison 10.10.1907. Coll Arsene
may be 3098 received sub S. tenacissimus (p. 199)

Sp. bert. 60 small fig [Weigel label]
Puebla Rancho Posádos 1.6.1909 coll Nicolas
perhaps (except for date) one of the Rancho Posadas (Nic). sub S. indicus

10 small fig [Weigel label] Sporob argutus
cited Mex Gr. 312 specimen labeled "Eragrostis minor v. condensata Hack"
Mexico Puebla: Tlaxcala: Sta Anna ~~Ixca~~ Chiautempán
(Coll: Nicolas)
10.8.1908.

On this we have a note "probably not species with this data examined by Hackel"
[see note under p. 207] I see I collected there E. minor. var. condensata, on the 10/11/08. (N° 1737) f.G.A.

Locality: Santa Ana Chiautempán

(right margin, partly covered:) * ...y number ...e place. (confusus) ...ed as ? ...densata. ...empán

Lycurus phleoides (from U.S. Nat Mus,
Mayorazgo alt 2120 m. vic. Puebla, July 4. 1907
10104 Bro. G Arsene !

*
247ª (liste E)
The Nr ~~247ª~~ being at phalaroides and phleoides, it seems that my number
~~number~~ was a mixture. Notice that ~~number~~ 239 à phalaroides is from the same place.
~~place~~ (Unless 247ª be 2470 under ~~which~~ which I have Muhlenbergia ?? in my lists)

Sporob. confusus cited MG 308 (rec'd from Br Léon) = 2597
Punguato, near Morelia, Michoacan coll G Arsene Sept 30, 1909

S. confusus cited -- (Weigel label)
"Puebla: Rancho Posadas bord d'une rivière 11·X·1908 (Coll Nicolas)
Montpellier has: 2303, same place and date, Col Arsène

26 Br. G. Arsene Tlaxcala: petit bois de San Sebastian, près Sta Ana
Nov. 16, 1906 (from U. S Nat Mus) sub S. indicus I have 25 same data.

48 Bro G. Arsene Laguna de San Baltasar, champ sec alt 2135
vic. Puebla ~~#~~ Oct 25, 1906. !

Sporob confusus — We have also from Br Léon two!
"Cerro San Miguel near Morelia Fr Arsene coll. 15-11-1911"
Is this your 6067 (see p. 99) I don't know (see write)

6067, same data as Sp. confusus (confusus) received from Bro. Leon, was named as Sp. Vaseyi on my lists. Probably it is the correct No.?

Sporobolus argutus. (10 Weigel label) sub Eragrostis minor var condensata.
Data are: 1737 Tlaxcala (State) Santa Ana Chiautempán
10. XI. 1908 G. Arsène
(see p. 207)
[E. caroliniana (en dessus)]

198[illegible]

This list consists of ---------- pages.

LOCAL BOARD: ----------

By ----------

Date ----------

NOTE.—The necessary number of extra pages will be inserted. The notation "List of names of persons whose registration cards a
local board—Cont'd" and the number of the page will be entered on each page.

247[a] (liste E) *

The Nr 247[a] being at phalaroides and phleoides, it seems that my number
was a mixture. Notice that number 239 à phalaroides is from the same place.
(Unless 247[a] be 2470 under which I have Muhlenbergia ?? in my lists)

6067, same data as Sp. confusus received from Bro. Leon, was named as
Sp. Vaseyi on my lists. Probably it is the correct Nr.? (confusus)

Sporobolus argutus. (10 Weigel label) sub Eragrostis minor var condensata.
Data are: 1737 Tlaxcala (State) Santa Ana Chiautempán
10. XI. 1908 G. Arsène
(see p. 207)
[E. carolinisana (ex Chase)]

Trimorphodon stiptoides H.B.K M. 6751 C. Azul 1910 x

8099 Lycurus phalaroides H.B.K. DF 8880 Loma Cacapala 16.10.13 x

[liste E -- 60 --
" " 2487 a] ox
[p. 305 Mex. Gr. Mor. Am. 1909]

P 239 Cerro Guadalupe 30.9.06
36 — Loretta 4.10.06 = N° 104 à Montpellier
59 San Baltasar 15.10.06

DE 9184 Mixcoac, Olivar 11. VIII. 1913

" phleoides H.B.K P. 10104 Mayorazgo 4.7.07 x

[liste E -- 2487 a --] ox

P. 2028 Acatzingo 7.07 (Amable)
1393 Mayorazgo 7.7.07 l'étiquette porte "Bord de l'atoyac" see Davaau [it is the same]
• ... Coyoacachitl 17.12.10 (Mic)
M. 3094 Prison 10.10.09
2682 Zapote 25.8.09

8100 Pereilema crinitum Presl. M. 2551 Coronilla en fuente d'eau 19.9.09 x
5850 Van Hurita 1.9.10 x

8111 Sporobolus argutus (Nees) Kunth. T - [p. 312 Mex. Gr. St Ana 1908, Nicolas] ox
[liste E Nic. 10 --]

" berteroanus (Brin.) Hitchc. - Chase
P. 10121 fort Loretta 4.10.06 x
DF 8279 Olivar 7.9.13 x
8803 San Juanico 11.8.13 x
Q. 10347 Querétaro (agricol) x
[liste E. " 1909, 14 --] ox
[" " " " 60 --]

" confusus (Fourn.) Vasey [p. 308 Mex. Gr. M. Pinguicula Arsène 1909
" P. Nicolas 1908
liste E 26 --
" " 48 --] ox

+ P. 2303 Rancho Posadas 11. X. 1908 (Arsène)
M. 2597 Pinguicula 20.9.09
2969 S. Maria 26.8.09

" indicus (L.) R. Br. [p. 313 Mex. Gr. Morelia Arsène 1909] — see berteroanus "14" ox
[" P - Nicolas 1909] " "60"

M. 2973 S. Maria 26.8.09
P. 175 C. S. Juan 5.8.06
337 Rte Mexico 30.8.06
2042 Acatzingo 7.07 (Amable)
--- R. Posadas 10.8.09 (Nic.)
T 25 S. Sebastian Sta Anath. 15.11.06
M 8327 Rancho Aguacate 1. VIII. 1912
Df 8780 Mixcoac Olivar 16. X. 1913
" 8782 -- do do do
P --- Rancho Posadas 20. IX. 1910 (Nic. 5486)

199b

Query ?

— M. Daveau demande ce qui suit :

" Dans "Biol. Cent. Amer." Hemsley donne un Epicampes gigantea au Mexique ; Je ne
" le retrouve pas dans les "Mexican Grasses" de M. Hitchc. ni à la table, ni dans le
" texte. — Sous quel nom est-il noté ?
" N.B. — Cette abstention s'explique peut-être par la remarque d'Hemsley ; il prétend que
" E. gigantea est représenté à Kew par 5 ou 6 espèces."

— M. Daveau asks about 1750 Sporobolus radius. — He says : " Mon No. arsène 1750, m'a été déterminé
" (à tort ou à raison ??) par Hackel Epicampes coerulea Griseb. ?" [What ?]
Will you that I ask a specimen ? it does not exist in Nat. Herb. under that N°
— "Sporob. sacatella Gris. me paraît en effet peu différentiable du S. repens Presl. [Muhl. repens Hitchcock]" ex Daveau

specimen cited sub Sporob. pacquemontii is
S. indicus (Meigel label)
Morelia : Cerro Azul
17. 6. 1908. Coll Arsene

17. VI. 1908 I was in Puebla — I don't find to what it corresponds."

Epic. macroura (original French label) !
Mexique — Amozoc, près de Puebla — 1/8 1911 (S Nicolas 5903)
(from U.S. Nat Mus)

Morelia, Cerro San Miguel alt 2000 m. !
no — Bro J. Arsène coll. Dec 1910.

Sporobolus (Vaginati) indicus R.Br. var. macra Hack. var. nov.
M. 3215 Quiroco 11.11.09 (Arsène et Rolland)

" Jacquemontii Kunth [p.312 Mex. Gr. Mor. Arsène 1908] ox = S. indicus true!
" poaceoides Hack. sp. nov. P. Rancho Rosales 1.8.10 (Nicolas) = Muhl. plumbea!
" radiatus P. 1750 Esperanza 19.11.07 [5423] [no species so named!
" ramulosus Kunth M. 6590 Sta Clara 11.10 (abbé Breviño)
~~426a~~ à Muhlenb. implicata
" sacatellus Griseb. P. 214 Rte de Mexico 30.8.06
--- Ha. Noria 20.10.10 (Nicolas)
" tenacissimus Beauv. M. 3098 Pricon 10.10.09
2376 Ch. des pins 1.8.09
2475 Zapote 2.9.09
" trichodes Hitchc. nom. nov. = Sp. Vaseyi Hack. = S. capillaris Vasey non Wright (non Mig.)
(Mex. Gr. 1.311) M. 2957 W. Zapote 22.8.09 X
5585 N —— 4.8.10
2849 Pinguato 9.8.09
5893 —— 25.8.10
5812 L. S. Maria 28.10.10
6067 C. S. Miguel 15.11.11
8646 C. S. Miguel 8.VIII.1912

Epicampes ~~macrotis Piper~~ [?Hitchc. nov.] M. 8581 L. S. Maria 11.12 X
1937 C. S. Miguel 10.2.12 X

" berlandieri Fourn. P. 1275 Mayorazgo 10.9.07 X
M. 3145 Pinguicato 18.10.09 X
2673 —— 26.9.09 X
2628 La Huerta 15.10.09 X

" emersleyi Vasey liste C-8585 Loma S. Maria XI.12
liste E. 5304 Morelia, Cerros S. Miguel 12/1910. fr G Arsène
5446 La Huerta 1.9.10
(See p. 195 a Muhlenbergia distichophylla) 6803 C. San Miguel XI.10 OX
5438 La Huerta 1.9.10
5851 —do— —do—
2825 La Huerta 30.X.09
2465 not same as 2465 M. data — same data
2674 Pinguato 26.IX.09

" lanata (H.B.K) Presl. T. 1715 S. Ana Chiaut. 10.11.08 X

" macroura (H.B.K) Kunth P. 2175 Esperanza 19.11.07 X
1750 —— 16.11.07 X
M. 3212 Guiricco 11.11.09 X
3202 —— —— X
P. S. Barbara 15.9.10 (Nic 5967) X.
P ... Amozoc 1.VIII.1911 (Nic 5903)
liste E "80--" OX Weigel label
Morelia: Quiroco
11.XI.1909 Coll Arsène
(same data on specimen from Lomas and one from R.d. Bonanza)

Mor. Lomas Huerta 15/10/09

2006

Epic robusta cited Mex Gr p. 316. (Prov. Br Léon)
"Lomas de la Huerta, alt 1900 m. Morelia Michoacan !
coll. G. Arsene. Oct 15. 1909." = 2628 received sub nom. robusta and now at Berlandieri p. 199

[3 Epicampes in Nic Herb. range from Acatzinco

* Epicampes robusta — Weigel says: Nic. 20.VII.1909, Acatzinco; Bro. Nicolas went there; I have no specimens — If we get the data in his herbarium we will know. —
[There are 2 Epicampes from Bro. Amable, Acatzinco 1582 sub robusta and 2265 sub pubescens.]

herbeaux ? for "lieux herbeux"?)

[Weigel label]
Epic robusta
"Puebla: Acatzinco - Distr de Tepeaca herbeaux 1000 m *
20.7.1909. coll: Nicolas

[Weigel label]
Epic stricta "108" small fig
Puebla: Cholula, 1000 m. 15.6.1909. coll. Nicolas
!? = Saint Nicolas, but 15-IX-1910.
Epic. stricta (original French label sheet stamped Heribaud
Mexique - Ranchs Posadas, près de Puebla 8/9 1909 f Nicolas
!!
12 Février 1916)

~~1916 May be 1916~~ !

Bro. Héribaud + 25.12.1917

Date of distrib.? Bro. Hérib may be 1916? was yet alive.

I copy a note of M. Daveau. (Id, ~~1927~~ 1925?, or before!) probably about 1913?
Votre N°: 6999 rapporté (avec doute il est vrai) par Hackel à Epic. gigantea serait E. distichophylla Vasey.
1750 nommé E. coerulea et E. rigens Benth
3145 serait le vrai E. macroura Benth tandis que 1696, 2175, 3202, 3212 (dont le port est celui de l'E. rigens ont été déterminés par Hackel E. macroura, tandis que la gravure que j'ai sous les yeux en est très différente. Cette gravure représente exactement votre 3145, lequel a été confondu avec E. stricta tandis que 1696, 2175, 3202, 3212 se rapprochent des E. rigens et coerulea.
— Les Epicampes, said he, me paraissent fort mal connus: Hemsley, Hackel, Husnot, Fournier me paraissent se contredire pour chaque espèce.
Enfin Hemsley déclara (Biol. Cent. Amer.) qu'à Kew sous le nom de E. gigantea, on trouve cinq ou six espèces, — la diagnose de Fournier, limitée à 2 ou 3 lignes, est inintelligible.
C'est un genre à reprendre! mais je me récuse. (J. Dav. (probably about 1913?) (Feb. 1932 Fig.)

[On the Cat. 6999 is robusta
1750 macroura
3145 berlandieri
1696 rigens
2175 macroura
3202 "
3212 "]

*Epicampes (Unita) pubescens (H.B.K) Benth.

P. 1550 H. Batan 8.8.07 ×
--- Fort Guadalupe 20.8.10 (Nic 5436) ×
1186 ——— 3.10.07 ×
1901 Coponuchitl 16.9.07 ×
2265 Acatzinco 7.07 (Arnaldo) ×
[Liste A - - - - ×] ° × entre les haciendas Sta Bárbara et Cristo Rey l'Alameda, Puebla. Aug. 1907 Arsène

" rigens Benth. × P. 1696 Manganilla 24.11.08 ×

" robusta Fourn. P. 1693 Manganilla 24.11.08 ×
1582 Acatzinco 8.07 (Arnaldo) ×
1497 Finca Guadalupe 26.9.07 ×
115 Chapultitla 22.11.06 ×
--- R. Posadas 8.9.09 (Nic 303) ×
--- ——— 11.11.09 ×
M 3201 Manzanas 11.11.09 ×
6999 C. S. Miguel 12.10 ×
[A. 316 Mex. Ex. M. Hacienda Nic. 1909 P. Acatzinco Nicolas 1909] ° ×
" stricta Benth. × P. - - Cholula 15.9.10 (Nic. 5441) ×
[Liste E 108 - -] ° ×

indet ved int macrotes? — 3218 Manzanas 11.11.09 tous immatures [an E. stricta ? Liste E]
5441 - - Cholula 15.9.10 (Nic 5441) [E. robusta — Liste E]
robusta? 1497 Finca Guadalupe 26.9.07
à Washington, mais pas reçu de nom pour !
P. 188 Coponuchitl 11.10.06 ×
3562 R. Posadas 6.8.08 ×
--- Entre S. Barbara et Cristo Rey 1.8.07 × E. pubescens [avec étiq.]
M --- N. Zapote 26.9.09 × Epic. pubescens
-- L. S. Maria 2.9.09 × Epic. bourgaei Fourn
-- C. S. Miguel 12.1910 × " macrocera

[M. Bonaccorsi m'écrivit les Epicampes me paraissent mal connus : Hemsley - Hackel. Hednot Fournier me paraissent se contredire pour chaque espèce.]

8114 Polypogon elongatus H.B.K. P. 1534 S. Barbara 27.6.07 ×
C. 3465 Saltillo ferme Baronesa 4.09 (Nic 9) ×
P. - - Hacienda Manzano Dec 6.1906.

" (littoralis (Willd.) Smith) P 218 Rte Mendez entre S Juan 30.9.06 ×
= littoreus (Poir) Hitchc 452 ——— 20.12.06 ×
334a C. S. Juan 5.8.06 ×
334 ——— 30.9.06 ×
- - R. Posadas 15.8.09 (Nic 285) ×
- - ——— 4.3.09 (Nic 77) ×
- - ——— 10.1.10 (Nic 5145) ×
- - ——— ———
T 1732 S. Ana Chiautempan, 10.11.08 ×

DF. 9390 Olivar, 2300 m. 7.IX.1913

201b

A. Trisetum deyeuxioides. M. Daveau donne ~~#~~ No 8969 avec les data qui suivent mon No 9369. Il y a peut-être aussi le No 9369, je m'informerai.

Agrostis verticillata our Rancho Posados specimen coll Nicholas is dated 9.8.1909. [Weigel label]

Let us wait until we receive data from herb. Nic.

Example of numeration by Bro. Héribaud of many plants of Bro. Nicolas.

Sphen. obtusata Weigel label
Puebla Rancho Posados 1000 m. 20.V.1910 coll Nicolas
cited Mex Gr. p. 327.
2194 m (on the label at Montp.) = Nic (5169 = 528)!
Later we received from Nat Mus: Rancho Posada, alt 2180 m. vicinity of Puebla, no — Bro ~~Arsène~~ Nic coll May 20, 1910 same as above

I wonder ~~how~~ why the label in U.S. Herb. is not right! Which is true collector?: Bro. Nicolas; in 1910 I was in Morelia
[altitudes of Weigel are "guessed" 2180 is true one) on the ~~[illegible]~~ map 2194!
fGA

Hackel named it Eatonia obtusata Gray var. lobata var. nov. [~~What?~~ ~~[illegible] lobata~~ ?]

What about var. lobata?

8120 Agrostis stolonifera L = A. vastillata Vill.
verticillata Vill.
P. --- rancho Posadas 20.5.10 (Nic.) x
M 3316 Jadri S.C 15.5.09 x
C 3400 Saltillo, Chapultepec 5.09 (Nic 10) x
f. maura NL 6322 Monterrey, fundición 7.11 (Abbon 108) x
--3562 Rancho Posada Pueblo 6.8.1908 (C. Wash.)

8146 ~~8124~~ Trisetum deyeuxioides Kunth.
P. 1782 Laguna Chapulco 19.11.08 x
1606 R. Posadas 6.8.08 x
1406 Mayorazgo 18.7.07 x
1326. —— 7.7.07 x
--- Cholula 15.9.10 (Nic 5474) x
M 3210 Cuicuaa 11.11.09 x
P --- fort Guadalupa 3.10.07 x
--- H. alamos 6.12.06 x
+ M-8433 La Huerta 2000 m. 11.X.1912
+ --8645 C. San Miguel 2100 8.VIII.1912
* (Daveau Donne 8969) DF-9369 Mixcoac Loma de Cacapula 2300 (16.X.1913.
" " var. procerum Hack. M. 2921 S. Maria 15.8.09 x } not published!
2378 Ch. des Pares 7.8.09 x
[liste E .105] ox Weigel label. Cholula, talus Puebla. 15.9.1911. Nicholas
" virletii Foun. M. 3200 Cuicuco 11.11 09 x
2787 —— 11.3.09 x
5410 Cuicuilco 9.2.11 x
9939 C. S. Miguel 10.2.12 x
+ DF. 9315 Cuajimalpa, El Desierto 3100 5.VI.1913
? x P... Base de l'Ixtaccihuatl 8.11.10 (Nic. 5538) x
[liste E 48--] ox Weigel label. Morelia Cuniles 11.XI.1909 Arsène

Sphenopholis obtusata (Michx) Scribn
[p. 326 Mex. Gr. P. Nicolas in 1910] ox
* P... Rancho Posadas 2194 m. 20.V.1910 (Nicolas 5169=528).
Avena fatua L. P. 7031 Huexotitla 20.10.07 x
356 Rte Huexalantzinco 13.9.06 x
2287 Rancho Posadas 20.9.08 x
--- —— 4.3.09 (Nicolas 75) x
Q. 1605 Queretaro (agricl) x
T 1732 S. Ana Chiautempan 10.11.08
DF 9393 Mixcoac, chemin de San Angel, talus 2270m 18.IX.1913

Microchloa indica (L.f.) Kuntze
P 1043 S. Barbara 18.7.07 x
--- —— 16.7.10 (Nic 5270) x
1021 Coyoacchtl 11.7.07 x
M 5584 Nord de Zapote 4.8.10 x
M 8506 Loma del Zapote 1950. 20.VI.1912
[liste E 169] ox Weigel label: Puebla, Sta Barbara 16.7.1910 coll Nicholas
* P.... Santa Barbara 16.VII.1910 (Nicolas 5270=526)

Capriola dactylon
No. 166 Mexique E. de Puebla
Rancho Posada alt 2194 m
11 Juin 1909 f Nicholas
original multigraphed label
Recd from Nat Mus !

"10" small fig. Weigel label
Morelia: Chemin de Parcs 1.8.1909. coll Nicholas
= 3005! arisen

"16" — Weigel label
Puebla: Fort de Guadeloupe 11.6.1909 coll: Nicholas

[This too was labeled "Buchloë dactyloides Engelm"
is C. dactylon! = Nic. 166, was p. 205 Bulbilis dactyloides.

Chloris submutica
cited Mex Pr. p. 332. (Weigel label)
Puebla: Bords de l'Atoyac 9.8.1910. coll Nicholas
[??]

---

liste B: 1.6.09 is from R. Bonaparte
Chlor. submutica "Mexique — Mayorazgo, sur l'Atoyac
près de Puebla f Nicholas
1.6.1909
His ours ! I have Rancho Posadas same date, let us wait)

---

morelia — — Rincón, prairie, alt 1850.
no — Bro G Arsene July (25) 1909 !
is Chloris submutica
probably (28).7.09 listed last line p. 202

KEY
Wh.—White.
Col.—Negro.
Ind.—Indian.
Or.—Oriental.

(Stamp of Local Board.)

Pa

3—4416

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL BOARI

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.	CO (See abo

9202

8157 Capriola dactylon (K.) Kuntze = Cynodon dactylon Pers.
M. 3005 Chemin des Pares 1.8.09 ×
2951 L. S. Maria 2.9.09 ×
P --- R. Posadas 15.6.09 (Nic.) ×
DF 8716 Blacoquemeca 28.9.13 ×
+ DF. 8726 Mixcoac Natividad 2265 m. III 1913
[p.329 Mex. Gr. P. For. Guadalupe Nic. 1909.
liste E { - 166
16
110] 0×

8163 Chloris orthonoton Doell. =? Ch. virgata ~~Swartz~~
P. 1674 Chaussée Aguagal 4.8.07 ×
--- R. Posadas 20.9.09 (Nic 336) ×
M. 3134 O. de Moralia, Lagunes 7.10.09 ×
--- Chemin les pares 1.8.09 ×
-- Jardin S.C 6.6.09 ×
Cf. 10267 Querétaro (agricol) ×
[liste E 5432 -] 1× Hacienda Guadalupe
Puebla 25.9.1910.
5432 B. G. Arsène (coll Nicholas)

" Submutica H.B.K.
P. 330 Jour S. Juan 5.8.06 ×
-- R. Posadas 1.6.09 (Nic. 160) ×
133] Mayorazgo 7.7.07 ×
M 7346 Ch. des Pares 1.8.09 ×
+ M. 8637 - C. San Miguel 2100 8.VIII.1912
[f. 332 Mex. Gr.: along the Hayan Nic. 1910
liste B : 1.6.09] 0×

" virgata Swartz = C. elegans H.B.K.
M. 2959 W. du Zapote 22.8.09 ×
3352 Jardin S.C 27.10.09 ×
5386 Vers Huerta 1.9.10 ×
5115 Rte de Mexico 13.9.10 ×
2642 C. las Nalgas 9.9.09 ×
Cf. 10266 Querétaro (agricol) ×
- DF 8855 Mixcoac S. Borja 2270 16.X.1913
- M. 8382 - Puruato 2100 5.IX.1912
+ - - 8349 - Route de Mexico 1950 - 19.IX.1912
M. --- Rincon, prairie 28.7.09 × [= submutica]
[f. 333, Mex. Gr.: R. Posadas Nic. 1909] 0× - is orthonoton!
liste E 52 C. virgata

Weigel label Morelia: à l'ouest del Zapote 22.8.1909. Coll Arsène. = 2959

203 b

Bouk. curtipendula cited 342 Mex Gr. [Weigel label]
Puebla: coteaux - route de Mexico 1.8.1909 ~~et Hacienda~~
Coll Nicolas
(this had been labeled "B triathera" is Rancho Posadas 1.8.09 (Mic 224)!

We have: Bout filiformis from Nat Mus:
"Michoacan, Morelia, Punguato altzoom Sept 5 1910
no — Bes G. Arsene
!

B filiformis orginal French label
"Mexique Rte Cuates, pres Monterrey 2/8 '11 [f Arsène] !
d is Abbon Coll. Fla
B filiformis orginal French label [stamped Herbarium
"Mexique Loma del Zapote près Morelia 11/7 1909 8 Mars 1911]
f Arsène." !

2036

(This form may be cut along the top if necessary in binding.)

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOCAL

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.

By _____ *Chairman*

Date _____ *Secretary*

NOTE.—The necessary number of extra pages will be inserted. The notation "List of names of persons whose registration cards are in possession of local board—Cont'd" and the number of the page will be entered on each page.

8—1115

8169 *Bouteloua chondrosioides* (H.B.K.) Benth.

M. 2934 Loma S. Maria 15.8.09 ×
5545 ——— 7.8.10 ×
3035 Zapote 11.7.09 ×
5586 —— 4.8.10 ×
5642 —— 21.8.10 ×
2480 —— 2.9.09 ×
2848 Pinguato 9.8.09 ×
5814 —— 25.8.10 ×
5899 — sud 25.8.10 ×

M. 2690 West Zapote 25.8.09 ×
5452 Pinguato 18.8.10 ×
5654 Nord Zapote 21.8.10 ×

" *curtipendula* (Michx.) Torr.

P. 291 San Baltasar 20.9.06 × = 114 à Montpellier
248 Fde Guadalupe 30.9.06 ×
164 Rancho Calera 11.10.06 ×
— — Posadas 1.8.09 (Rie. 224) ×
1334 Mayorazgo 7.7.07 ×
M 2993 Coronilla 8.8.09 ×
3122 Ribon 10.10.09 ×
2380 Ch. des Pares 1.8.09 ×
[p. 342 Mex. Gr. Hills road to Mexico City Rical. 1909] ox

" *filiformis* (Fournier) Griffiths.

P. 1878 San S. Juan 21.9.07 ×
——— 21.9.07 ×
7197
1025 S. Barbara 18.7.07 ×
234 C. Guadalupe 30.9.06 × = 111 à Montpellier
165 Pte Rancho Calera 11.10.06 ×
M 5641 Nord du Zapote 21.8.10 ×
2435 Pinguato 2.9.09 ×
5922 —— 25.8.10 ×
2850 —— 9.8.09 ×
2946 Ste Maria 2.9.09 ×
9013 RE de Mexico 19.9.12 ×
DF 8873 Loma Cacapula 16.10.13 ×
NL 6245 Monterey, Remates 8.11 (abbé 190) ×
Q. 10292 Queretaro (Agricl. 15) ×
T 1729 St. Ana Ch. 10.11.08 ×
DF 8872 Loma Cacapula, via S. Borja 16.10.13 ×
8875 ——— 16.10.13 ×

" *gracilis* (H.B.K.) Lag.

[p. 340 Mex. Gr. H. Noria Nicolas 1908. Weight label
liste E Nicolas 5] ox "XI. 1908 coll: Nicolas"

" *hirticulmis* Scribn.

M 5161 Pinguato NW 9.10 ×
5109 RE Mexico 13.9.10 ×
2392 Zapote W 28.8.09 ×

We have with original French label
Bout. radicosa "Mexique – Nord du Zapote, près Morelia 21/8 1910 f Arsene" !

We have from Br Léon
Bout. chondrosioides Mex: Loma Sta Maria près Morelia 4/10/1910 f Arsene ! ! ~~[illegible]~~

from Field Mus Chicago
B. chondros. "Ft Guadelupe près Puebla 17/7/1911 coll Nicolas

[??] let us wait.

---

dele

Pas dans les listes de Washington etc p. 204
P... R. Posadas 25.9.09 (no 354) doit être
au Muséum (Paris) sub B. bromioides

204[b]

This list consists of ---------- pages.

LOCAL BOARD: --

see

Pas dans les listes de Washington etc p. 204
P... R. Posadas 25.9.09 (n° 354) doit être
au Muséum (Paris) sub B. bromoides

Bouteloua (Scita) hirsuta Lag.
" P. --- R. Posadas 27.7.09 (Nie 207) x
x 288 S. Baltasar 20.9.06 x = 125 à Montpellier
251 C. Guadalupe 30.9.06 x
1877 Sous San Juan 21.9.07 x
1005 Taponachitl 11.7.07 x
" procumbens (Durand) Griffiths P. 237 Fort Guadalupe 30.9.06 x = 133 à Montp.
" radicosa (Fourn.) Griffiths P. 161 Rte rancho Calera 11.10.06 x
359 Puente de animas 13.9.06 x
M. 3051 Pinguato 16.7.09 x
5897 ——— 25.8.10 x
x 2850 ——— 9.8.09 x
6721 ——— 25.8.10 x
3036 Zapote 11.7.09 x
3047 Pinguato 16.7.09 x
5900 ——— 25.8.10 x
" scorpioides Lag. P. 2178 Esperanza 19.11.07 x
" trifaena Scribn. P. 1876 Sous S. Juan 21.9.07 x

Pas dans les Cat. de Washington, y existant:
P. --- R. Posadas 25.9.09 (Nie 354) x — au Nevada [illegible] Forwarded
-- ——— 27.7.09 (Nie 207) x
-- Taponachitl 11.7.07 x B. filiformis
M -- Cerros de la Huerta 15.10.09 x B. hirsuta
-- Pinguato 25.8.10 x B. chondrosioides
-- ——— 18.8.10 x B. radicosa
-- ——— 5.9.12 x
DF 8872 Loma Cacapula, rio S. Borja 16.10.13 x
B. hirsuta C 10629 Saltillo, R. del Labrador 8.13 (adult 27) x
= B. radicosa (ex D.) DF 8847 Mixcoac Loma de Cacapula 2300 m 16.X.1913
= B. filiformis (ex Davcan) Q. 9259 Querétaro 1850 m 1912
= B. curtipendula (ex Dav.) DF 8254 Mixcoac. Rte de San Angel 2260 4.IX.1913
= B gracilis (ex D) DF 9183 Mixcoac, Barranca del Manicomio 2280 m, 11.VIII.1913 (~~Davcan DF 9193~~)

Pentarraphis polymorpha (Fourn.) Griffiths
M 2723 Pinguato 26.6.09 x
2754 S. Marcos 14.6.09 x
5695 Rte Mexico 5.7.10 x
[liste E. 76] 0 x Weigel label
" Morelia Loma Sta Maria 14.VI.19 coll Nicolas

Eleusine indica (L.) Gaertn.
P 1332 Mayorazgo 7.7.07 x
--- R. Posadas 20.6.09 (Nie. 174) x
M 3289 Jardin S.C. 27.7.09 x
Q. 10316 Querétaro (Agricol) x
--8276 Dist Fed Mixcoac Olivar, 2300 m. Sept 7.1913

M. --L.S. Maria 15.8.09 x

205 b

I am curious to know the following:
With the name Scleropogon brevifolius Philippi ♂, collected in 1907, Bro. Héribaud added:
" Plante rarissime, on ne connaissait encore que la plante femelle ♀ ". Probably that came to him from Hackel via Daveau. — Is that true ?. — Mr. Hitchcock show me the two plants in Washington in 1918, and since, in New Mexico, I found it abundantly.
fgc.

We have (from Br Léon)
Lepth fasciculatis "Mexique - Rio fondicion"
Rio (Morelia) 2/8 1911 / Arsène" see ★
(f. abbon 201) Arsène 6108
change to Monterrey

Lept. fulcronnis "3	Weigel label		cited Meyer 349
"Puebla	Hacienda Noria	14.6.1910	coll: Nicolas" [??]

★ Transformation complète des data :

~~This~~ Lept. fasciculatis. The habitat given: Rio fundicion, pès Morelia, is a composite! Rio fundición, are places from Monterrey (coll. abbon). Perhaps the specimen comes from No 6108, Monterey, rio, 8.11. (abbon 201). (L. virgata).
fgc.

Leptochloa dubia — The specimens sent by Montpellier (in 1927) cultivated from seeds received there in 1913 (or 1912) had been (ex Chase) (29.VI.1927) named by Hackel Diplachne Arsenii Hack. and were said " espèce bien distincte affine au D. mendozana Kurtz.

Daveau :
" Parmi les graines, provenant de Saltillo, que vous m'envoyâtes, une graminée a germé. Soumise
" en 1913 à Hackel, ce spécialiste en a fait Diplachne Arsenii en ajoutant : " Espèce bien distincte,
" affine au D. mendozana F. Kurtz. ". Je m'étonne de ne pas vous en avoir fait part à cette
" époque. — Il est probable que cette espèce a dû recevoir un autre nom, surtout si Hackel ne
" l'a pas décrite ! Je vous ferai un envoi dans lequel il y aura quelques exemplaires de ce
" Diplachne. Soumettez-les à Washington."

Mrs. Chase (29.VI.27) : " Ce nom n'a jamais été publié. Is Leptochloa dubia. H.B.K. Diplachne mendozina Kurtz " est la même espèce !!

Making a copy of this Catal. for the Muséum d'Hist. Naturelle I notice for the 1st time that no Leptochloa from Saltillo is present among my plants ! — But three are from Monterrey !! Is it not probable, then, that the seeds spoken of above are from Monterrey and not from Saltillo ? (22 Janvier 1932)

Leptochloa aquatica Scrib. & Merr. M.5760 5760a 5760a Penguato Sw. 25.8.10 ×

" dubia (H.B.K.) Nees × P. 231 près Cimetière Piedad 29.9.06 × = 103 à Montpellier
-- 23.6.07 ×
-- R. Posadas 10.8.09 (Nic 268) ×
2009 Acatzingo 7.07 (Amable) ×
1330 Mayorazgo 7.7.07 ×
M 3293 Jardin Morelia 27.7.09 ×
DF 8283 Olivar 7.9.13 ×
Q. 10345 Querétaro (Agnel) ×
10277 ×

see note p. 205 b — C.... Saltillo, cultiv. at Montpellier from seeds received in 1913.

{p. 350 Mex. Gr. Baños de Atoyac Nicolas 1909 / liste E Nicol. III Neigel label} o× 7.7.09

" fascicularis (Lam.) Gray M. 5760 Penguato S. 25.8.10 ×
Q. 10289 Querétaro (Agnel 12) ×
10072 —— Cerro de las Campanas 9.7.14 ×

" filiformis (Lam.) Beauv. NL 6421 Monterrey, Pastora 7.11 (Abbon 165) ×
{p. 349 Mex. Gr.: Hac. Noria Nicolas 1910 / liste E Nicolas 3} o×

" virgata (L.) Beauv. NL 6108 Monterrey, rio 8.11 (Abbon 201) ×

× L. dubia Scrib. DF 8718 – Mixcoac 2270 21.VIII.1913
× -d°- DF 8823 -- " S. Borja 15.VIII.1913
× L. fascicularis Gray Q 9257 – Querétaro 1850m. 1912

Bulbilis dactyloides (Nutt.) Raf. P. 1676 Chaussée Aguazul 4.8.07 ×
--- fort Guadalupe 7.7.11 (Nic 5857) ×
Q. 10266 Querétaro (Agnel) ×
10395 —— ×
P. -- R. Posadas 11.6.09 (Nic 166) ×
× Q 9282 Querétaro 1850m Oct. 1911
× DF 9108 Mexico, Peñon de los Baños, Penitenciaria, 2260m 7.VIII.1913

Pappophorum wrightii S. Wats. Q. 10278 Querétaro (Agnel 8) ×
× Q. ---. Querétaro Mai 1911. (F. Charlemagne N° 3)

Scleropogon brevifolius Phil. P. 2013 Acatzingo 7.07 (Amable) × (plusieurs plantes)

Arundo donax L. NL 6319 Monterrey, rio S. Catarina 8.11 (Abbon 260) ×
P ... Arzobispado 7.10.06 ×

Tridens avenaceus (H.B.K.) = Triodia avenacea Griseb.
DF 8876 Loma Cacapula 16.10.13 ×
× DF 9186 Mixcoac, Loma du milieu, derrière l'Olivar 2300m. 11.VIII.1913

" pulchellus (H.B.K.) Hitchc. = Triodia pulchella H.B.K.
× DF 8846 Mixcoac Loma de Cacapula 16.X.1913
× -- 9200 -d°- d° 12.VI.1913
10071 Est. Querétaro, Cerro de las Campanas
9/7 1914 f. Arsène 9/7/1914 one of my last collections, I left Querétaro the ... on St. Arsène's day 19.VII.1914!

206 b

+ 206 c

The package Eragrostis, Latinia, Lenites, Distichlis, Briza, Poa, Glyceria, Festuca, remained somewhere in Mexico.
Hence the hesitations in the list.
The exsiccatae which are at Montpellier might help, in case of necessity, to give a solution. —

Below I try to identify what is in the Grasses Herbarium and collected or attributed to Bro. Nicolas in the genus Eragrostis.

Mont.

A. cited in the Catalogue. I had them.

Eragrostis atrovirens Trin. [1]
Cholula, Tecoalli 14.7.10.

E. amabilis "20" [Weigel label]
"Puebla: prairies 16.8.1910. Coll Nicolas" [??]

E. ciliaris "21" [Weigel label] cited Mex Gr p 360 [??] 9.09
Puebla: route de Nexies - prairies 9. XI 1908 Coll: Nicolas 9)

E. limbata "13" [Weigel label] cited MG p. 364
"Puebla Ranchos Posadas prairies montagneuses [montagneuses.] ?
25. 9. 1909. Coll: Nicolas
see E. lugens, same data.

E. lugens cited MG p. 366. "2" Weigel label
"Puebla. Cerro Guadeloupe 2000 m. 6.VI.1909. [??] (cl.)

48 a Bro G. Arsene Oct 25 1906 from Nat Mus. ! !
Laguna de San Baltasar champ sec. alt 2135 m
Puebla
! yes the 48 has same data ~~I don't find it~~
48 was a mixture. My 48 was a Muhlenbergia implicata p. 196

Erag. Mexicana "10" Weigel label
"Puebla: San Baltazar 1000 m 18.9.1911 Coll Nicolas"
is it 1911 ? I have 18.9.1910
(On your list p. 207 this is listed sub neomexicana ?
E. neomexicana = mexicana ! !

specimens were examined again?
They may be had from Montpellier most probably.

C. In the Grass Herb. at Washington:

E. amabilis Wight & Arn. (20.W) Puebla, prairies 16.8.10 (Mic.) [!!]

206 b

+ 206 c

The package Eragrostis, Latonia, Lenites, Distichlis, Briza, Poa, Glyceria, Festuca, remained somewhere in Mexico.
Hence the hesitations in the list.
The exsiccatae which are at Montpellier might help, in case of necessity, to give a solution. —

Below I try to identify what is in the Grasses Herbarium and collected or attributed to Bro. Nicolas in the genus Eragrostis.

Mont,

A. cited in the Catalogue. I had them.

Eragrostis atrovirens Desv. [1]
Cholula, Tecoalli 14.7.10.

E. caroliniana [sub pilosa var. pauciflora] [2]
Rancho Posadas 10-8.09 (Nic. 274)

E. lugens Nees, R. Posadas 25.9.09 [3]

E. mexicana S. Baltazar 15.9.10 [4]

S. Baltazar 18.9.10
sub neo mexicana [5]

E. minor v. condensata Hack. [6]
R. Posadas 10.8.09

B. In the list from the Muséum d'Hist. Nat. (herb. Nicolas)

E. atrovirens Desf. Cholula, Tecoalli. 14.7.10 [1]

E. pilosa v. pauciflora Desv. [2]
R. Posadas 10.8.09

E. lugens Nees R. Posadas 25.9.09 [3]

E. mexicana Link, Camino S. Baltazar 16.9.10 [4]

E. minor var. condensata [6]
R. Posadas 10.8.08

E. neomexicana Vasey [5]
Lag. S. Baltazar 18.9.10

Which names
Would these names remain, if the specimens were examined again? They may be had from Montpellier most probably.

C. In the Grass Herb. at Washington:

E. amabilis Wight & Arn. (20.W) Puebla, prairies 16.8.10 (Nic.) [??]

E. ciliaris Link. (in M.G p. 360) (21.W)
Puebla R.R. de Mexico, prairies 9.XI.08 (Nic.) [??]

E. lugens Nees (2.W) Puebla: Cerro Guadalupe 2000 m. 6.VI.09 (Nic) [??]

E. limbata (M.G p. 364) (13.W)
Puebla Rancho Posadas, prairies montagneuses (Nic) 25.9.09
(same date as lugens [3] ·?)

E. mexicana (10.W) Puebla: S. Baltazar 1000 m. (?) 18.9.11 (Nic.) [5]
(this & sub nec-mexicana p. 207 Cat.) (I have 18.9.10)

E. plumosa (Retz) Link. (p. 361 M.G. P. prairies Nic. 1910) . . .
E. amabilis was in pencil at this species; in 1931 the pencil is erased; is this the same as amabilis above? (p. 206 Cat.)

---

from F. C. Arsène

48a Laguna S. Balt. champ sec alt. 2135 25.10.06 !
(48 was mixture; Muhl. implicata p. 196 Cat.)

3361 Species cited as pilosa in M.Gr is E. carolinianaa (Sch.) Scribner = !
= E. purshii Schrad.

5786 La Huerta 1.9.10 ! E. pringlei Mattei !

5441a vers la Huerta 1.9.10 (5441 mixture. Was named ! Muhlenb. Tenella and is Andropogon brevifolius)

1786 error = is, than, 5786. ?
(There is also a 1781 at E. atrovirens)

E. plumbea Scribn. p. 367 M.Gr (42.W) May be 2639 at E. atrovirens ?
" Morelia Loma de la Huerta 15.X.09. Arsène same data

Montpellier has not any. Eragrostis ciliaris (L.) Link of ours.

Eragrostis amabilis Wight + Arn. [liste E, Nicolas 20] ox

" *atrovirens* Trin. + P. 284 San Baltasar 20.9.06 = 117 à Montpellier
1781 Laguna Chapulco 19.11.08
" -- Cholula, Texcalla 14.7.10 (Mic)
M 2639 Huerta 15.10.09
5656 Zapota 21.8.10
+ M 8432 La Huerta 11.X.1912

" *capillaris* Steud. M 2920 S. Maria 15.8.09
5278 —— 4.9.10

" *ciliaris* (L.) Link [p. 360 Mex. Gr.: P. road to Mexico City Mic. in 1908] ox
liste E - 21

" *ciliaensis* (All.) Link Q. 10276 Queretaro (Agmil 6) x

" *erosa* Scribner M. 6001 Jaripeo 13.7.11
C 3439 Saltillo, ferme Roberta 4.09 (Mil 34)

" *hirsuta* Fournier + DF 8264 Mixcoac El Olivar 2300 m. 7.IX.1913
+ DF 9286 -- Chemin de S. Angel 2270 m. 17.VIII.1913
+ M 2492 Morelia, Coronilla, en face la prise d'eau 1975 m. 19.IX.1909
[p. 364 Mex. Gr.: R. Posadas Nicolas in 1909] ox
liste E Nicolas 13

" " *B. major* Fournier M. 6922 C. S. Miguel 15.9.10

" *hugoni* Nees Q. 10352 Querétaro (Agmil) x
[p. 366 Mex. Gr.: P. cerro Guadalupe Mic. in 1909] ox
liste E 48a
" " Nicolas 2

P. 107 près Tepozotlan 24.12.06
+ 243 C. Guadalupe 30.9.06 = 132 à Montpellier
1670 S. Barbara 16.7.07
157 Rancho Calera 11.10.06
335 Tour San Juan 30.8.06
447 Atoyac 20.12.06
R. Posadas 25.9.09 (Nicolas)

" *mexicana* (Lag.) Link M. 3288 Jardin de S.C. 27.7.09 x
3291 —— ——
DF 8818 S. Borja 15.8.13 x
8275 Olivar 7.9.13 x
Q 10367 Queretaro (Agmil) x
10384 —— —— x
[liste E - 10] ox
+ P. 148 Rancho Calera 11.10.06 = 131 à Montpellier
+ 230 près cimetière Piedad 29.9.06 = 135 à Montp.
2291 Agotea S.P y SP 8.9.08
-- S. Baltasar 15.9.10 (Mic)
M 6940 Vera Huerta 1.9.10
+ M 8403 - Yunguato 5.IX.1912

Eragrostis pringlei Mattei. "liste E 1786 error is 5 (French 5)"... Is it not 1781? I find on my list 1785 is Dalea uncifera and 1781 was named E. atrovirens (reported p. 206: 1781 Laguna Chapulco 19.11.1908.)

E. atrovirens

= 5786

* Eragrostis pusilla. 5441 a. — My Nr. 5441 was named Muhl. tenella and it is Andropogon brevifolius Sw. (p. 182). "Vers la Huerta 1.IX.1910" — 5441a was mixed with it!

species cited as pilosa Mex Gr is E. caroliniana (Spr.) Scribn.
(E. purshii Schrad)
3361 Arsene !

Erag pusilla Scribn not Hack } = E. pringlei Mattei 1909
" scribneriana Hitchc 1913 }
5786 (original label) "Mexique - E. de Michoacan Morelia ! la Huerta 1/9 1910 alt 9000 p. G. Arsène"

* 5441a from Nat Mus
"Morelia, Vers Lomas de la Huerta, alt 1950 m. !
Sept 1, 1910"
5441a Bros. G. Arsene ~~[illegible]~~ yes! !

S ... alt...sata = Sphenopholis ...ata !

Distichlis prostrata = D. spicata (L) Greene

cited Mex Gr p. 371 (Meyel label)
"Puebla: Cerro Guadeloupe 25.X.1909. Coll Nicolas" [??]

" 286 a ~~Bro G Arsene~~ Rancho Posada vic Puebla
(Bro Nicolas) Aug 15. 1909
(from Nat Mus) ! ~~??~~

Dist. spicata

Eragrostis pringlei Mattei. " lista E 1786 error is 5 (French 5)" ... Is it not 1781? # I find
I find on my list 1785 is Dalea uncifera and 1781 was named E. atrovirens E. atrovirens
(reported p. 806: 1781 Laguna Chapultec 19.11.1908.)

= 5786

* Eragrostis pusilla. 5441 a. — My Nr. 5441 was named Muhl. tenella and it is Andropogon brevifolius Sw. (p. 182). " Vers la Huerta 1.IX.1910" — 5441a was mixed w/ it !

species cited as pilosa Nees is E. caroliniana (Schr.) Scribn.
B 361 Arsène ! (E. purshii Schrad)

Eragrostis pusilla Scribn not Hack } = E. pringlei Mattei 1909
" scribnerianna Hitchc 1913 }
5786 (original label) " Mexique - E. de Michoacan Morelia
! La Huerta 1/9 1910 alt 900 m. B. Arsène

* 5441a from Nat Mus
" Morelia, Vers Lamas de la Huerta, alt 1950 m. !
5441a Bro. G. Arsene ! ! Sept 1. 1910 "

Eatonia obtusata = Sphenopholis obtusata !

Eragrostis pringlei Mattei. "lista E 1786 error is (French 5)"... Is it not 1781? * 2 fin
3 (fin) on my list 1785 is Dalea uniflora and 1781 was named E. atrovirens
(reported p. 206: 1781 Laguna Chapultec 19.11.1908.) E. atrovirens
= 5786

* Eragrostis pusilla. 5441a. — My Nr. 5441 was named Muhl. tenella and it is Andropogon
breviflorus Sw. (p. 182). "Veri la Huerta 1.IX.1910" — 5441a was mixed with it *

New Form No. 101.—P. M. G. O.
(LARGE SIZE)

KEY
Wh.—White.
Col.—Negro.
Ind.—Indian.
Or.—Oriental.

(Stamp of Local Board.)

LIST OF NAMES OF PERSONS WHOSE REGISTRATION CARDS ARE IN THE POSSESSION OF THIS LOC

SERIAL NO.	NAME.	ADDRESS GIVEN ON REGISTRATION CARD.

Eragrostis (suite) minor Host. P. 2290 Rancho Posadas 20.9.08
" " var. condensata Hack.
× P. 168 Rancho Calera 11.10.06 = 131 et Montpellier
T. 1737 Sta Ana Chiaut. 10.11.08 - E. caroliniana
P --- R. Posadas 10.8.09 (Nicolas).
" neo-mexicana Vasey = P... S. Baltasar 18.9.10 (Nic.)
" pilosa (L.) Beauv. [p. 362 Mex. Gr. M. 3361 Jardin S. C. 22.8.1909] o× (from Bro. Léon)
" " v. pauciflora Desv. × P. Rancho Posadas 10.8.09 (Nic. 274)
" plumosa (Retz) Link [p. 361 Mex. Gr. P. prairies Nic. 1910] o×
" plumbea Scribn. [p. 367 Mex. Gr. M. Arcin 1909 liste E 47] o× Weigel label 'Morelia. Loma de la Huerta 15 X 1909. coll. Arsène.' (= 2639 probably)
" pringlei Mattei M. 9025 Loma S. Maria 11.12 ×
[liste E 1786 error, is (French 5) ? 1788
" 5786
" 5441 a [Cholula 15.7.10 (Nic. 5441) ?]] o×

" purshii Schrad. P. 1314 S. Baltasar 7.7.07
M. 2958 Zapote 22.8.09
6688 L. S. Maria 28.8.10
2845 Punguato 9.8.09
5887 —"— 25.8.10
× DF 8824 }
× -- 8826 } all from: Mixcoac, S. Borja 2270 m. 15.VIII.1913
× -- 8827 }
DF 8713 Olivar 21.9.13 × mexicana
M 3361 Jardin Morelia 22.8.09
" " f. laxiflora M. 2942 Coronilla 19.9.09
7316 L. S. Maria 26.8.09
" scribneriana Hitchc. = E. pusilla Scribner = E pringlei Mattei
M. 5258 Jesus del Monte 3.10

? -- Q 10273 Queretaro (Agniel 3) ×
10352 —"— (Agniel) ×
C 10630 Saltillo 8.13 (Adole 28) × E limbata
~~8214 Eatonia obtusata Gray var. lobata Hack. var. nov. P. -- R. Posadas 20.5.10 (Nicol.)~~
reporté à p. 201 sub Sphenopholis
Seniteo mexicana Kunth = Leegito mexicana Trin. M. 5685 C. S. Miguel 11.10
8235 Distichlis prostrata Desv. × P. 332 C. S. Juan 5.8.06 = 116 à Montpellier.
× --- R. Posadas 20.6.09 (Nicolas 5179 = 524)
× DF 9109 Señor de los Baños 2260 m. 7.VIII.1913
× -- 8758 Mixcoac, La Ladrillera 2265. 3.VII.1913
" spicata (L.) Greene [p. 371. Mex. Gr. C. Guadalupe Nicolas. 1909 liste E 286a] o×

208 b

There is no "Briza spicata H BK"; B spicata (L) Lam
= Distichlis spicata (L) Greene. !

Festuca amplissima Rupr (from Nat Mus)
"Dist-Fed: Cuajimalpa, El Desierto, alt 3100 m.
No — Bro & Arsène coll — Feb 1913 = 9235 !

Fest hephaest 107 Weigel label cited Mex Gr p. 379
"Puebla: Sta Barbara 900 m. 16.7.1910 Coll. Nicolas"
9 have 15.VII.1910 !

Bromus laciniatus [88 Weigel label] cited Mex Gr
"Puebla Ranchos Parados, bosquets ombrageux
10.8.1909. Coll: Nicolas"
= Nic. 270 pp.! (mixture)

B — lacin — [Weigel label] cited Mex Gr.
"Puebla talus — 24.7.1909. coll. Nicolas"
[??]

I found on a paper (without the date, but probably before 1925) a note copied from a letter of M. Daveau: (yes 1913 about)

D'après Hemsley et l'Index Kewensis: Bromus compressus, Porterii, purgans sont Synonymes de B. ciliatus espèce très polymorphe qui englobe encore d'autres espèces. — Cependant il y a dans vos échantillons des plantes vivaces ♃ et des plantes annuelles ① incontestablement distinctes.

(I added myself: yes, I noticed that!)

(Copied January 1932 fgg)

This list consists of ..... pages.

LOCAL BOARD: .....

Bu

208 b

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(I added myself : yes, I noticed that !)

(Copied January 1932 ffg)

8236 *Briza rotundata* (H.B.K) Steud. [p. 372 Mex. Gr. Cholula, Nicolas 1910] ox
14.7.1910. Nuttall label
× DF. 9406 Mexico, Cimetière de Dolores 2300 m. 2.XI.1913
" *spicata* H.B.K P. 1779 Entre H. Cristo e N.S. Barbara 27.6.07
1830 Finca Guadalupe d'Atlixcayo 17.4.07
-- Cholula teocalli 14.7.10 (Nicolas)

8247 *Poa annua* L. P. 1441 Jardin des Jésuites 26.11.06
132

8252 *Glyceria fluitans* R. Br. × DF. 9404 Mexico, Cimetière de Dolores, 2300 m., 2.XI.1913

8254 *Festuca amplissima* Rupr. [Liste B; February 1913] ox
× DF. 9235, Cuajimalpa, El Desierto, 3100 m., II. 1913
" *hephaestophila* Pilger P. -- S. Barbara 15.7.10 (Nicolas)
[p. 379 Mex. Gr.; Nicolas 1910, S. Barbara] ox
Liste E Nicolas 107
" *lugens* (Fourn.) = *Unicola lugens* Fourn.
~~P~~ - 2698 × Flore Azul 15.9.09 ×
~~P~~ - 5307 × Flore S. Miguel 12.10 ×
P. ---
" *myuros* L. P. 1180 Fort Guadalupe 6.10.07
--- R. Posadas 15.10.10 (Nicolas)
T 24 St. Ana Ch.; S. Sebastian 15.11.06.

Bromus anomalus Rupr. P. -- R. Posadas 10.8.09 (Nicolas 270 p.p.) ×
1603 — 6.8.08 ×
2362 — — ×
" *exaltatus* Bernh. P. -- R. Posadas 10.8.09 (Nicolas 270 p.p.) × 27a?
7139 Archevêché 14.7.07 ×
" *pendulinus* Scribn. P. 2243 Acatzingo S. Miguel 9.07 (Arsalle) ×
1407 Mayorazgo 18.7.07 ×
1325 — 7.7.07 ×
1336 — 18.7.07 ×
1405 — 4.7.07 ×
10105 — 4.7.07 ×
178 C. S. Juan 5.8.06 ×
1605 R. Posadas 6.8.08 ×
1603a — — ×
--- — 10.8.09 (Nic. 270 p.p.) × ?
--- Cholula 14.7.10 (Nic 5244) ×
--- Pont de la Union Atoyac 20.12.06 ×
445 Pont de la Union Atoyac 20.12.06 ×
2227 Prés Cimetière 23.6.07 ×
2228 —
M 7273 Rincon 25.7.09 ×
3304 Jardin S.E. 2.5.09 ×
3166 Cuernavaca à l'ouest 7.10.09 ×
C 3466 Saltillo 1909 (Pril) ×
3468 — Mars Juin 1908 (Pril 12) ×
DF 8801 Barranca del Manicomio, La Castañeda 11.8.13 ×
[p. 382 Mex. Gr. R. Posadas Nic. 1909
" " talus — —
Liste E, 88] ox

pendulinus Scribn. = *B. laevipes* Shear

209 b

Bromus compressus 8273, 8325 ... an *B. pendulinus*? (ex Dav.)

♀ 10071 = *Tridens pulchellus* p. 205

Bromus (subg. Festuca) porteri (coulter) Nash. P 7193 St. Barbara 2.6.07 ×
M 7286 Guinea 11.11.09 ×
[Liste E 1a 1908] ox
" richardsoni Link P 1505 H. Guadalupa 26.9.07 ×
336 Sous S. Juan 30.8.06 ×
-- S. Barbara 18.7.07 ×
2288 R. Posadas 20.9.08 ×
M 3273 C. Azul 4.11.09 ×
[f. 381 Mex. Gr. P. Nic. in 1908] ox
Weigl label "Puebla: bords des chemins 16-8-1908 coll Nicolas."
" ciliatus L. × DF. 9405 -- 4 Mexico, cimetière de Dolores 2300, 2.XI.1913.
" compressus Lag × DF. 8273 -- ① Mixcoac, Olivar 2310. 7.IX.1913
× M 8325 Rancho Aguacate 1950 m. 1.VIII.1912
DF 8869 Olivar 7.4.13 ×
" pungens L. -- 9235 -- 2 porté à Festuca amplissima p. 208
" ? -? -- Sta Ana: S. Sebastian 15.11.06 × Brom. laciniatus
DF -- El Desierto 2.13 ×

Brachypodium mexicanum (Roem. & Schult.) Link
P 1874 C. Guadalupe 7.11.08 ×
1531 Mayorazgo 7.7.07 ×
1637 Manzanilla 24.11.08 ×
10191 H. Guadalupe 26.9.07 ×
-- Mayorazgo 4.7.07 × B. mexicanum
M. 7287 Guinea 11.11.09 ×
× DF. 8271 Mixcoac, Olivar, 2300, 7.IX.1913
× -- 9402 Cimetière de Dolores 2.XI.1913
" subulatum Fournier ?? -- -- -- × 9234 Cuajimalpa 7. 9. El Desierto fév. 1913.
× 9070 -- do -- do -- 5.VI.1913

Lolium multiflorum Lam. P 1952 Archevêché 14.7.07 × 14/9.10 Trigo Bonafaux
[f. 384 Mex. Gr. Waste ground near P. Nic. 1907] ox
perenne -- -- -- × R. Posadas {28.9.09 (Nic 344) × (au maximum 20.9.09)

Agropyrum repens (L.) Beauv. P. 2256 Acatzingo 7.07 (Amable)
Hordeum adscendens H.C.K. P. 219 forme Rte à Mexico dans S. Juan 30.9.06 ×
2285 R. Posadas 20.9.08 ×
-- -- ---- 4.3.09 (Nic. 76) ×
× DF. 8760 Lago de Xochimilco 2260. 22.V.1913
" vulgare L. P. -- Hôt. de San Pedro 20.8.11 (Nic 5935) ×
" aegiceras Meyer × DF. 9366 Mixcoac, Jardin de S. Borja 2270, 16.X.1913
" jubatum L. × DF. 8789 - Guadalupe, Rancho de S. Juanito 2260 m. 28.VIII.1913
× 8766 - Mexico, terrains vagues à la Condesa 2265 m. 15.VII.1913

Elymus brachystachys C. 6354 Saltillo 1911 (Adola) ×
Chusquea -- M 6695 Campamento 12.10
5503 ---- 17.11.10

Grass without name M. 6875 Jardin S.C. 4.4.11 × Hordeum vulgare
~~9.10071 Cerro de las Campanas 9.7.14 ×~~

Plantes du Frère Nicolas.

To be added to Catalogue des Plantes du Mexique, récoltées par Fre G. Arsène etc etc. (1)

p. 236

Liste des Plantes remises au Muséum d'Histoire Naturelle à Paris (Mars 1928). Frère Nicolas.

[Ces plantes sont la collection qu'emporta le Frère Nicolas en 1914, lorsqu'il quitta le Mexique. Elle ne comprend qu'une faible partie de ses récoltes. Il se contenta malheureusement de ne prendre qu'une part de chaque espèce, et non toutes les récoltes de chaque espèce.

Au Catalogue sont inscrites les diverses récoltes que le Fre. Arsène reçut du Fr. Nicolas. Plusieurs numéros manquent dans ces duplicatas, ~~qui~~ lesquels Nos se trouvent présents dans la présente liste. — A moins que quelques espèces, — non listées au Catalogue ou dans ce qui suit, — se rencontrent dans les 117 paquets non nommés qui restaient chez le Frère Héribaud et qui furent remis au Muséum en 1930, on peut considérer que toutes les récoltes du frère Nicolas sont maintenant connues, et vérifier pour les espèces douteuses distribuées sous le titre Plantae Mexicanae !

(Cf. aux Graminées ; suppression de 99 espèces qu'on croyait être authentiques.)]

Déc. 1931

Etiquette de la Plante reçue par le Muséum. (I copy with the errors of spelling)			Essai d'identification avec les doubles de J. Nicolas inscrits au Catalogue
Eaxodium mucronatum Cenoa	Rancho de las Posadas	15.2.1914	N° 5789 au Catal.
Pinus leiophylla Cham & Schl.	Manzanilla	15.11.10	5581
Cupressus supervirens D.C.	Cimetière catholique Puebla	25.1.11	5777
Juniperus mexicana Schl.	id	15.1.11	sans N°, mais 25.1.11
— tetragona Schl.	id	25.1.11	sans N°.
Cupressus Lindleyii Klotz	id	15.1.11	5778
— thurifera H.B.K	id	19.1.11	5774 — 5776. 25.1.11
Cheilanthes pyramidalis Fee, Epoxuchitl		1.9.11	ne l'ai pas reçu de Nicolas.
— farinosa Kaulf.	Puente de Mexico	5.12.09	5005

au Muséum.			Catalogue
Notochlaena pruinosa Fée	Batán	14.11.1910	8732 Manzanilla 14.11.10
Ceropteris calomelanos Linden	Barranca de Manzanilla	19.11.09	5006 j'ai 19.11.10
Nephrodium mexicanum Presl	Coyoacán	27.10.09	5024
Asplenium praemorsum Sw.	do	8.11.11	n'ai pas reçu
Pellaea flexuosa Link	do	10.11.11	6132
Cheilanthes myriophylla Desv.	Barr. Manzanilla	12.11.09	5025
— microphylla Sw.	Rancho Posadas (Cotela)	20.11.10	n'ai pas
Rottochlaena nivea Desv.	Barr. Manzanilla	19.11.09	5007, mais Pont de Mexico.
Woodwardia spinulosa Sw.	Tlaxcala	10.12.12	n'ai pas
Polypodium aureum L.	Coyoacán	17.10.09	5010
Polystichum aculeatum Sw.	Ixtaccihuatl	8.11.10	n'ai pas
Polypodium brasiliense Point	Puente de Mexico	17.11.09	5728
Pellaea pulchella Fée	Acatzingo	10.10.11	6131
Cystopteris fragilis Bernh.	Barr. Manzanilla	27.12.09	5098
Dicranopteris flexuosa Schrad.	Cenacan	15.10.11	n'ai pas
Gymnopteris pedata Sw.	Coyoacán	12.8.12	j'ai de lui, 5015bis 27.10.09
Notochlaena Arsenii Christ	Puente de Mexico	10.8.11	6138 = N. galeottii Fée
Asplenium ...	Santa Barbara	10.11.11	n'ai pas
Adianthum Poiretii Wichrst	Coyoacán	27.10.09	5013
Gymnogramma pilosa Mart	- do -	27.10.09	5719
Athyrium ...	Manzanilla	27.12.11	n'ai pas
Dryopteris patula Sw.	- do -	27.12.09	5588
Cheilanthes Moritziana Smith	Hda. Guadalupe	14.11.10	5568
Blechnum occidentale L.	Barr. Manzanilla	27.10.09	5100 : 27.12.09
Athyrium Bourgei Fourn.	do	17.11.10	5587 : 17.11.09
Gymnopteris Ehrenbergii Klotz.	Coyoacán	27.10.09	— 5015
Botrychium virginianum Swartz	Manzanilla	27.10.09	sans N° — j'ai 9.11.10
Dryopteris patens Swartz	Puente de Mexico	5.11.09	— 5018
Elaphoglossum aranaceum Christ	Manzanilla	12.11.09	— 5001
Woodsia mollis Swartz	- id -	27.12.09	— 5097
Pteris cretica L.	Puente de Mexico	5.11.09	— 5729

Polypodium thyssanolepis Kz.	Batán	3.11.09	5686	
— lanceolatum L.	Cholula, tecalli	14.7.09	5245	
— pachyrrhizon Christ	Manzanilla	25.10.11	5710, but 15.12.10	
— madrense Swartz	Cholula, tecalli	10.10.09	5547 but Rancho Posadas	
Pellaea sagittata Link.	Huejotzingo	10.10.11	n'ai pas	
— rigida Hooker	Ft. de Mexico	5.10.09	5008	
— ternifolia Link	Manzanilla	24.10.10	5570	
— longifolia L.	Tepoanchitl	20.12.11	n'ai pas	
— cordata Cavan.	id	27.10.09	5011	
Notochlaena ferruginea Desv.	Cholula, tecalli	6.12.10	5736 j'ai 6.11.10	
Asplenium monanthos L.	Manzanilla	17.10.09	5002 : 17.11.09	
Pellaea intramarginalis Swartz	do	12.10.09	5095	
Notochlaena sinuata Kaulf	Batán	22.12.09	5735	
Dryopteris Feei Christ	Hda. Guadalupe	20.12.09	5026 : Batán.	
Equisetum ramosissimum Desv.	Manzanilla	19.11.10	5512 : 27.10.10	
Selaginella cuspidata Spring.	do	7.10.10	5565	
— rupestris Spring	Sta. Bárbara	28.10.11	n'ai pas	

None of the following mosses is présent in Mexican Mosses by Thériot. These were named by Brotherus and Paris.

Funaria calvescens Schwgr.	Sta Barbara	10.12.10	[Mexican Mosses collected by Arsène & Amable not by Nicolas]	II p. 16
— Nicolasi Broth. & Gal Paris	Fuente de Loreto	2.11.10		pas indiqué in Mex. Mosses.
— hygrometrica Hedw.	Rio S. Francisco	14.10.10		II p. 6
— apiculatopilosa Card.	Hda. Guadalupe	21.10.11		II p. 6
Bryum piriforme Hedw.	do	20.12.09		pas indiqué
— Nicolasii Brot. & G.al Paris	Cholula, tecalli	10.11.09		pas indiqué
Anomobryum filiforme Dick.	Huejotzingo	10.10.11	— — —	II, 11
Erichostonopsis crispifolia Cardot	Rio S. Francisco	14.11.10	— —	III p. 9
Erichostomum involvens Card.	Hda. Guadalupe	21.11.11	— —	III, 8
Didymodon Heribaudi Card.	Mayorazgo	13.11.11	— — — — — —	pas indiqué
Camptylopus Liebmanni Schl.	Fuente Loreto	17.11.11	— — — — —	pas indiqué
Brachymenium — Card.	Fuente Guadalupe	14.11.11	— — — —	?
— imbricatum Schl.	Alamos	15.11.11	— — —	II. 9
— squarrulosum Card.	—	15.11.11	— — —	II, 12

Brachytheciun flexinerva Card.	Guadalupe, rio S. Antonio	21.11.11	III p. 36	
Entodon erythropus C. Mull.	Rio S. Francisco	15.11.10	I, 26	
— — var. brevisetus Card.	F. Guadalupe	25.11.11	II. 25	
Atrichum conterminum Card.	Manzanilla	15.11.11	I, 20, II. 26	
Anaectangium euchloron Schwg.	Sta Bárbara	10.12.09	III. 5	pas cité
Barbula Beschereltei Sb.	F. Loreto	27.12.10	III. 17	
— pachyneura Broth & Gal Paris	Rio S. Francisco	9.11.10		pas cité
— spiralis Schwg.	Sta Barbara	15.11.10	III, 19	
Braunia secunda Hook.	—	20.12.09	I, 23	
Philonotis erythrocalis (C. Mull.)	Hda Guadalupe	20.12.09		pas cité.
Husnotiella revoluta Card.	Sta Bárbara	14.11.10	III. 7	
Molendoa obtusifolia Broth & Gal Paris	Barranca S. Felipe	10.11.10	III, 4	
Haplohymenium densum C. Mull.	Sta Barbara	10.12.09		pas cité
Tortula obtusissima C. Mull.	d°	10.12.09	III, 24	
Fissidens Heribaudi Broth & Gal Paris	F. Loreto	25.8.10	I, 8	
— asplenioides Sw.	Sta Bárbara	14.11.10	I, 14	
Pogonatum cuspidatum Besch.	Barr. Manzanilla	27.10.09	II, 26	
Rhynchostegium malacocladum Card.	d°	17.11.11		pas cité
Thuidium mexicanum Mitt.	d°	17.11.11	II. 24	

Marchantia lamellosa Hyp.	Sta Bárbara	2.11.09	(I believe Stephani gave these names)
— Elliotii Steph.	Rio S. Francisco	27.10.09	
Fimbriaria mexicana Steph.	Sta Barbara	2.11.09	Cf. Contrib. U.S. Nat. Herb. Vol. 20, pars 8, p. 310 where the species is discussed by Evans. In the same, p. 299, is also Asterella lateralis Howe, coll. by Nicolas à St. Barbara. Perhaps M. lamellosa Hyp.

Some of these Lichens are in Lichens du Mexique.

Acarospora chlorophana Nyl.	Ceponuchitl	15.3.10	I, 16 not cited.	(named by Dr. Bouly de Lesdain probably)
— Nicolasii B. de Lesd.	— d° —	15.8.10	I. 16 cited 5666 Nicolai	
Buellia tumida Mass.	Sta Bárbara	17.11.10	I. 27 N° 854	
Caloplaca aurantiaca Nyl.	Ceponuchitl	10.10.10	not cited	
Cladonia pyxidata Nyl.	Sta Bárbara	15.12.09	not cited	
— pityrea Nyl.	—	10.12.09	I, 3 this not cited	
Lecidea latipiza Nyl.	Ceponuchitl	15.3.10	not cited.	

Evernia furfuracea Ach.	Sta Barbara	20.12.10	Lichens Mexique I.
Leptogium phyllocarpum Nyl.	Cholula (Cocalli)	17.12.10	II. 21 mine 4310 same place not this.
Psora concava B. de Lesd.	Acatzinco	12.12.09	I. 19 cited.
— coroniformis (Krplh.) Müll.	Puente de Mexico	15.11.10	I. 19 cited } same species coroniformis.
Physcia aipolia Nyl.	R. Posadas	8.11.09	not cited.
— setosa Nyl.	Tepozuchitl	20.12.09	I, 8 mine 4242 same place
Pseudophyscia hypoleuca Hue	— do —	27.12.09	not cited
— — var. dactyliza Nyl.	La Venta	17.12.09	not cited
Urceolaria scruposa Ach.	Barranca de S. Felipe	10.11.09	I. 18 one cited from Sta Barbara, not this
— violaria var. albida B. de Lesd.	Puente de Mexico	15.11.10	not cited
Parmelia conspersa Ach.	Santa Bárbara	15.12.09	not cited
Sticta quercizans Ad Ach.	Tepozuchitl	18.11.09	not cited
Coniinia mexicana, var. incolorata	B. de Lesd Sta Bárbara	15.10.10	N°5656 I p.25
Usnea mollis St.	Sta Bárbara	15.12.09	I cité p. 3
— stigosa Ach.	La Venta	17.12.10	I, 3 ~~not cited~~ cité Malinche (same as Venta)

Brongniartia sericea Schl	Manzanilla	12.4.09	110, j'ai 12-4.09 intermedia.
— intermedia Mart.	Fort Guadalupe	20-6.09	5920 20-6.10
Phaca ...	Acatzinco	9.12.10	5720 Astragalus trifloreus A. Gray
Machaerium	Hda Guadalupe	25.8.10	n'ai pas reçu
Acacia filicina Will.	Cholula	15.9.10	n'ai pas
— tortuosa Will.	Cerro Loreto	7.4.09	sans N°. —
Mimosa acantholoba Benth.	Tepozuchitl	20.8.10	5428
Prosopis juliflora DC.	Acatzinco	15.7.12	n'ai pas
Acacia	Hda. Noria, rio Atoyac	25 27.7.10	5329 aff. filicina
Astragalus Hartwegii Benth	R. Posadas	20.5.09	105
Cassia floribunda Cav.	Sta Bárbara	15.11.10	5593
Calliandra grandiflora Benth.	Rio Atoyac	14.5.09	25
— humilis Benth.	Rio S. Francisco	1.6.09	155
Cassia tomentosa L.	Fuerte Guadalupe	8.1.09	n'ai pas
Canavalia villosa Benth.	Tepozuchitl	27.10.09	5173, 5085

Cologania angustifolia H.B.K	Hda. Noria	8.6.1909	165
— affinis Mast & Sal.	Rancho Posadas	8.6.09	216
— oborata Schl.	Hda Noria	8.6.09	163
Crotalaria espadilla H.B.K.	R. Posadas	9.9.09	sans N°
— lupulina H.B.K	— id —	10.9.09	312
Dalea alopecuroides Nutt.	do	17.9.10	5484
— adenopetala Moric.	Manzanilla	18.9.10	5470
— nutans D.C.	Cuyoacchitl	10.10.10	5502
— uncifera H.B.K	H. Noria	20.10.10	5515 D. insignis
— laxiflora Schl.	Acatzinco	12.12.09	5671
— mutabilis Willd.	R. Posadas	20.5.09	sans N°
— adenopetala Moric.	do	10.10.09	379
— citriodora Willd.	do	25.9.09	sans N°
— sericea Lag.	do	25.7.09	210
Desmodium —	Cerro Guadalupe	8.8.10	5418 = diversifolium
— ...	do	7.8.10	5419 = diversifolium
— spirale D.C.	Cholula	15.9.10	5981
— callilepis D.C.	Fort Guadalupe	10-8-09	227. 15.7.09 à diversifolium ?
— uncinatum D.C.	do	9.9.09	310 = mollicultum j'ai Guadalupe, Davaau a Posadas.
Erythrina coralloides Moc. et Sess	Hda Noria	10.5.09	128 = leptorhiza D.C.
Eysenhardtia amorphoides H.B.K.	Cerro Loreto	30.7.09	5435
Indigofera —	Cuyoacchitl	16.7.10	5233 = leptosepala Nutt.
Lathyrus palustris L.	do	30.6.10	5196
Lupinus —	Manzanilla	17.12.09	Sp? 5075
— pilosissimus Mast & Sal.	Molino Sta Cruz	7.4.09	5035, 20.12.09 = Marshallii, j'ai Puente de Mexico, c'est le même
Melilotus parviflora Desf.	R. Posadas	28.1.09	5505 10.10.10
Medicago lupulina L.	— do —	24.1.09	64
— sativa L.	— id —	15.6.10	74 4.3.09
— polycarpa W.	id.	10.2.09	sans N°
Nissolia fruticosa Jacq.	— id —	10-10-09	5463, 5464 autres localités.
Phaseolus —	Manzanilla	18.9.10	5493 = anisotrichus Schlecht

Spartium junceum L.	Cholula	28.5.1909	vi ai pas
Phaseolus heterophyllus Willd	Cepoxuchitl	16.7.10	5284
— anisotrichus Schl.	Dº	16.7.10	5283
— formosus HBK	R. Posadas	7.7.09	358
Crifolium Hemsleyi Lojac.	Cepoxuchitl	16.7.10	5240
— involueratum H.B.K	Sta Barbara	20.6.10	5250
— reflexum L.	Dº	20.7.10	5301
— amabile H.B.K.	Cepoxuchitl	16.7.09	5241 16.7.10
Vicia faba L.	Camino de Cholula	14.7.10	sans Nº Cult!
Lemna. —	Tlaxcala	6.12.10	sp? 5717
Anthericum ciliatum Jacq.	Sta Bárbara	20.7.10	5188 20-6.10
— nanum Beik	Hda Noria	16.7.10	5304
— flavescens Schl.	Sta Bárbara	20.6.10	j'ai Manzanilla (?)
Eigrina pavonia Pers.	San Pedro (Puebla)	15.4.10	vi ai pas. Eigridia. Cult!
Lilium longiflorum Thumb.	Do	10.5.10	5160 Cult!
Milla biflora Cav.	Hda Noria	20.7.10	sans Nº 3.7.09
Nothoscordum	Dº	20.8.10	sp? sans No.
— striatellum Kunth.	Sta Barbara	25.6.10	5212
Phalangium ciliatum H.BK.	rio Atoyac	4.8.09	vi ai pas
Schoenocaulon intermedium Baker	Manzanilla	20.7.10	5302
Linum aristatum Engelm.	R. Posadas	1.7.09	200
Cuphaea anguntifolia Jacq.	Dº	10.5.09	5439 = 20.8.10
— + aequipetala Cav.	Dº	29.8.09	Sans No
Lythrum alatum H.B.K.	Sta Bárbara	15.6.10	sans Nº = vulneraria Shrank
Pinguicula sodalium Fourn.	Barranca de Manzanilla	15.4.09	Manzanilla: non. Unless it has been taken in the garden. — I have 5949 Jardin de San Ignacio 30.11.11
Mentzelia hispida Will.	Tlaxcala	20.7.10	sans Nº, more precise: St. Ana Chiautempan
Lobelia Cavanillesii R. & S.	R. Posadas	27.2.09	30 22.2.09
— — v. anguntifolia Dess.	Batán	16.4.11	5841
— Boykinii Cav.	Cepoxuchitl	1.10.10	5509
— xalapensis H.B.K.	Dº	27.10.10	5080! 27.10.09 = Cliffortiana
— erinus L.	S. Pedro y S. Pablo (Puebla	18.7.10	5298 Cult!

Lobelia Orizabae M & S.	Tepoxuchitl	27.10.1910	5049 gracina Car.
— pauciflora H.B.K.	Rancho Posadas	5.7.09	244 — id —
Buddleia macrophylla Kunth	Hac. Noria	25.6.10	5199
— perfoliata H.B.K	Acatzinco	3.12.11	n'ai pas, unless it be Sp.? Acatzinco 20.10.11 n°: 5950
— gracilis Kunth	R. Posadas	4.7.09	I have — Manzanillo 15.7.09, gracilis 257 it may be Posadas 4.7.09, 257, lanceolata.!
" verticillata H.B.K	do	14.1.09	sans n°
Anoda hastata Car.	do	9.9.09	324
Abutilon ...	San Ignacio (College)	23.7.10	5298 Cult!
Hibiscus rosa-sinensis L.	do	23.7.10	5067 12.12.09 Cult!
Malvastrum tibifolium Hemsl.	R. Posadas	4.11.10	sans n°
Malvaviscus arboreus Cav	do	15.10.09	sine n°
Malva parviflora L.	do	14.2.09	38
Malvastrum vitifolium Gray	do	9-7.10	249 3.7.09
Sida supina L'Hér.	Puente de Mexico	5.11.10	5088
Sphaeralcea angustifolia Dn.	Cerro Guadalupe	20-7.10	sine n°
Sida rhombifolia Wallich.	Hac. Noria	7.7.09	197 : 7.7.10
— selpina L.	R. Posadas	4.7.09	sine n° : supina
Cercocarpus fothergilloides H.B.K.	La Venta	15.12.10	5712. See p. 57 Cat.
Gaudichaudia filipendula Juss.	Tepoxuchitl	17.11.10	5078
Eucalyptus globulus Labill	Port de Mexico	5.4.09	16 Cult!
Lilaea subulata H.B.K.	Camino de Amozoc	26.9.10	5456
Potamogeton fluitans Roth	Laguna cerca Tepoxuchitl	10-8.10	5417
Bougainvillea spectabilis Will.	San Ignacio	10.6.09	n'ai pas Cult!
Mirabilis longiflora L.	Tlaxcala	20-7.10	5317
— dichotoma L.	R. Posadas	6.6.09	n'ai pas, unless it be 189 or 190 M. Jalapa
Pisonia hirtella Kunth.	Hac. Noria	7.7.09	201
Oxybaphus Cervantesii Cav.	R. Posadas	25.6.09	203
Ligustrum vulgare L.	San Ignacio	10.1.11	5804 Cult!
— japonicum Thunb.	R. Posadas	10.6.09	sans n° Cult!
Epilobium ...	Hac. San Cristo	15.12.10	sp? 5714
—— virgatum Fraser	R. Posadas	2.4.09	86 à E. mexicanum (?)

Jussiaea calycina Red.	Laguna S. Baltazar	4.8.1909	234
Fuchsia arborescens Sims.	San Ignacio	5.12.09	sans n° Cult!
Gaura coccinea Pursh.	R. Posadas	15.3.09	95
Lopezia racemosa Cav.	do	9.9.09	sans n° (mexicana ?)
Anothera linnata L.	Coyoacán	1.8.10	5450
— Heribaudi Lév.	Sta Bárbara	20.7.09	259 = Gaura mollis HBK p.46 Cat.
— tetraptera Cav.	Rancho Posadas	20.7.09	211
— rosea Aiton	do	9.3.09	80
Calophanes mexicanum Nees	do	29.8.09	299 Dyschoriste microphylla (Cav.) Kty
— jasminum mexicanum Nees	Sta Bárbara	15.7.10	5186 = (521 à Montp.) 15.6.10
Ruellia ovata Cav.	do	20.6.10	5214 R. lactea Cav
Negundo mexicanum DC.	Tláxcala	20.7.10	5271 plus exactement Sta Ana Chiautempán
Tresine celosioides L.	Molino de Sta Cruz	4.8.09	13. (5.4.09) J. calea (Henry) Stand. Le Molino de Sta Cruz est au Pont de Mexico.
— Herbstii Hook.	San Pedro (College)	30.11.09	5030 Cult! (?)
Alternanthera achyrantha R. Br.	R. Posadas	4.4.09	53 CCC.
Tresine interrupta H.B.K.	Cholula: Iconalli	10.4.11	5827
— canescens Will.	Manzanilla	27.10.11	n'ai pas reçu
Gomphrena decumbens Jacq	Mayorazgo	20.8.11	5937, 5938
Alternanthera paronychioides Jacq.	San Pedro	15.7.11	n'ai pas
Mogiphanes stramina Mart	Rio S. Francisco	3.7.09	247
Amarantus hybridus L.	R. Posadas	10.5.09	137
— chlorostachys W.	do.	25.8.09	sans n°
Alternanthera latifolia Mog. C.	Molino Sta Cruz	5.4.09	sans n°
Iresine formosissima Herb.	Noria de Coyoacán	20.5.10	sans n°
Hypoxis breviscapa HBK	Noria (Atoyac)	20.6.10	5203
Zephyranthes — —	R. Posadas	12.4.09	119
Rhus mollis H.B.K.	Coyoacán	27.10.09	5053
Anona cherimolia Mill.	Cholula	14.6.10	5255 14.7.10 plutôt 7 !
Vitis tiliacea Hensby	Hda Noria	25.5.12	n'ai pas
— — —	Battán	20.12.11	6149
Cissus sycyoides L.	Hda Noria	15.7.09	214

Vinca mayor L.	Manzanilla	15.11.10	Sans N°
Cestrum viride H.B.K.	San Ignacio	1.8.09	230 Cult!
Richardia africana Kunth	d°	20.7.12	n'ai pas reçu Cult!
Pherotrichis villosa Meisn.	Teposcuchitl	20.6.10	5281=501 Montpellier 20.6.09
Asclepias ...	San Pedro	20.6.10	sine N°
Philibertia Lindeniana Dne.	Sta Barbara	14.9.10	5490 bis
Pherotrichis villosa Meisner	Teposcuchitl	20.6.10	5281=501 20.6.09
Asclepias Lindheimeri Engelm.	Acolula: tescatlí	3.7.10	5282=500 14.7.10!
Philibertia elegans Henml.	R. Posadas	15.6.09	193
Asclepias cornuti Dc.	H. Noria	15.6.09	sine N°
— mexicana Cav.	d°	17.5.09	sine N°
— linaria Cav.	Cerro Loreto	21.2.09	sine N°
— glaucescens H.B.K	Posadas	2.4.09	sine N°
— brachystophana H.B.K.	d°	14.2.09	sine N°
Gonolobus ---	Teposcuchitl	10.8.10	sp? 5413
Begonia Bolbissima v. mitellifolia Dc. ?	d°	10.7.11	6115 Balbisiana
— incarnata Link	San Ignacio	20.10.09	389 cult!
Alnus acuminata H.B.K	Tlaxcala	2.12.09	5062 Sta Ana Ch.
Tecoma capensis Lindl.	San Ignacio	10.6.09	sine N° Cult!
— Stans Juss.	H. Noria	8.6.09	167
Heliotropium — —	Teposcuchitl	10.6.10	5166=484 M. phyllostachium Cav.?
Lithospermum angustifolium Mich.	Mayorazgo	5.6.09	n'ai pas
Heliotropium curassavicum L.	Dans la rue, Puebla	2.4.09	44
Tillandsia vestita Cham.	La Venta	15.12.10	5743
— tortilis Klotz	d°	15.12.10	5742
— -----	Teposcuchitl	10.6.10	n'ai pas
— caespitosa Cham.	La Venta	15.12.10	5798
— recurvata L.	Acolula, tescatlí	4.4.09	48. R. Posadas
Lonicera caprifolium L.	San Ignacio	12.11.10	sans N° Cult!
Viburnum tinus L.	d°	15.9.10	5498 Cult!

Symphoricarpos glaucescens H.B.K	Ceponchitl	14.7.1910	sin N°	
Saponaria officinalis L.	Hda Guadalupe	15.8.11	6126 Río S. Francisco	
Stellaria nemorum L.	Sta Ana Chiautempan	20.7.10	5542	
Hymenella mochringioides Mx.	Sta Bárbara	15.11.09	5045	
Ceratophyllum demersum L.	Hda Noria	25.8.10	5455	
Chenopodium bipinnatifidum Moitz	Sta Ana Ch.	20.7.10	5292 sub in cisum Point var. mexicanum var. nov Aellen.	
— murale L.	R. Posadas	14.2.09	78, 11.3.09	
— album L.	d°	11.3.09	sin N°	
— ambrosioides L.	Cultivado!	5.4.09	sin N° Cult!	
Cyperus ...	R. Posadas	10.9.10	5811	
Carex Spissa Bailey	Hda. Batán	20.12.09	5027	
— — v. scatonica Baily	R. Posadas	15.3.09	148	
Chlorocyperus mexicanus Patta	Sta Barbara	25.6.10	5218	
— Buckleyi Patta	R. Posadas	1.6.09	250 3.7.09	
Cyperus Iria L.	d°	25.6.09	sin N°	
— giganteus Rottb.	id	7.9.09	sin N°	
— squalidus H.B.K	Camino de Cholula	15.9.10	5471	
— esculentus L.	Sta Bárbara	20.6.10	5229 b	
Eleocharis densa Bentth.	S. Baltazar	1.8.09	218	
— ...	R. Posadas	1.3.09	n'ai pas	
Fimbristylis mexicana Patta	Sta Barbara	25.6.10	5219	
Mariscus pycnostachys H.B.K.	R. Posadas	2.4.09	147	
— flavus Vahl.	d°	25.8.09	288	
— hermaphroditus Urb.	Paseo viejo Puebla	10.8.09	sin N°	
Scirpus pterolepis Kunth	R. Posadas	7.4.09	142	
— americanus Pers.	d°	7.4.09	143	
Cathisia insignis Clarke	Ceponchitl	24.10.10	5527	
Commelina pallida W.	R. Posadas	20.6.09	167	
Tradescantia holosericea Kunth.	H. Noria	10.5.09	185, 10.6.09	
Commelina tuberosa L.	R. Posadas	9.9.09	319	
— coelestis Will.	d°	10.9.09	318	

Einantia fugax Sch.	Rancho Posadas	10.8.1909	287	
Eradescantia Karwinskyana Schl.	Sta Barbara	20.6.10	5189	
—— Desgrega Kunth.	Coyoacuhitl	10.8.10	5446	
Zebrina pendula Schl.	San Ignacio	1.7.09	196	Cult!
Eradescantia Karwinskyana R.S.	R. Posadas	15.9.09	326	
—— crassifolia Cav.	Sta Barbara	20.7.10	5316	
Dichondra argentea Willd.	Acatzinco	25.7.11	n. à. pas	
Ipomaea fusis Schl.	San Ignacio	17.12.09	5077	cult ??
Convolvulus incanus Walt.	St. Bárbara	20.7.10	5278 = 471	
Ipomaea hispida Choisy	R. Posadas	1.9.09	313	10.9.09
— muricata Jacq.	Lag. S. Baltazar	5.7.09	243	
— hederifolia L.	R. Posadas	19.3.09	sin N°	
Cuscuta americana Sw.	H. Noria	2.6.09	sin N°	
Evolvulus nummularius L.	Laguna S. Baltazar	1.6.09	sin N°	1.7.09
Pharbitis hispida Choisy	S. Pedro	15.10.10	5523	
Cornus excelsa H.B.K.	Coyoacuhitl	15.5.10	5163	
Ledum ebracteatum Moc. & Sess.	Batéo	12.11.10	5592	
Echeveria ...	Coyoacuhitl	27.10.09	5086	
—— campanulata Kze	R. Posadas	15.10.09	390	
— gibbiflora DC.	H. Noria (Atoyac)	20.12.11	6177	Mayorazgo adjacent places
— secunda Booth	d°	15.6.10	5312	
——	Olaxcalá	4.12.10	sp? 5721	
——	San Pedro (Puebla)	15.1.10	5148 = 518	15.2.10
Ledum mozarense H.BK.	Manzanilla	28.7.09	264	
Sempervivum arboreum L.	Cholula: Boscalli	15.11.09	280	abondant là! Not seen elsewhere.
Sisymbrium Berlandieri Fourn.	Cholula	14.7.10	5256	
Lepidium ruderale L.	R. Posadas	20.6.10	sin N°	
Matthiola incana H.B.K.	San Pedro	10.1.10	sin N°	10.2.10 Cult!
Brassica napus L. v. oleifera	R. Posadas	9.6.09	J'ai 2 N°, autre date, Plante commune	
Capsella bursa-pastoris Moench	d°	9.3.09	79 : 20.5.09	

Erica sativa Lamk.	Rancho Posadas	11.1.1909	32
Lepidium virginicum L.	d°	7.2.09	61
— reticulatum How.	— d° —	9.3.09	33
Nasturtium officinale L.	d°	5.5.10	132 : 6.6.10 , 5.5.09
— palustre DC.	Hda Noria	7.5.10	515
Sisymbrium Galeottianum Fourn.	Paseo viejo: Puebla	20.2.09	58
Sicyos Deppei Don.	r. Posadas	25.9.09	992
Quercus sideroxyla H.B.K.	Manzanilla	12-4.09	112 : pulchella H.&B.
— repanda H.B.K.	Coyoacán	12.12.09	5058=510 pulchella H.&B.
Dipsacus fullonum L.	H. Noria	20-6.10	5192 r. Posadas
Dioscorea remotiflora Kunth	Coyoacán	16-7.10	5285
Ordostaphylos pungens H.B.K.	La Venta	15.12.10	5739
Arbutus densiflora Hook.	Manzanilla	10.12.(1900)	281 : 10-12-09
Ruellia Bourgaei Hemsl.	Cenacan	15.6.11	n'ai pas reçu
Richardia africana Kunth.	San Ignacio	10-6.12	n'ai pas Cult!
Gibertia arborea Durand	d°	20.12.11	n'ai pas Cult!
Asclepias setosa Bentth.	Hda. Cristo	15.5.11	5922
Gonolobus erianthus H.B.K.	Huejotzinco	15.11.11	n'ai pas
——	Coyoacán	12.7.12	n'ai pas
Asclepias angustifolia Schw.	Bustán	16.4.11	5840
— curassavica L.	S. Pedro (Colegio)	15.5.11	580 15.1.11
Eritrichium --	r. Posadas	27.7.11	5881 ? E. crassisepalum ? I have not the data for the specimen at Montpellier
Borreria ocimoides DC.	Fuerte Guadalupe	7.7.11	n'ai pas.
Heliotropium ---	Coyoacán	20.8.11	6116 10.8.11
Bignonia unguis L.	Cenacán	15.7.11	6154 see note p. 123 + Cult!
— buccinatoria L.	— d° —	27.12.09	5088=463 S. Vicente Colleg., Puebla Cult.!
Viburnum sandankwa Hamsk.	S. Ignacio	4.11.11	n'ai pas Cult!
Polanisia graveolens Raf.	San Martin	10-8.11	n'ai pas
Verbesina serrata Cav.	d°	15.7.11	n'ai pas
Senecio heracleifolius Hemsl.	d°	11.8.11	n'ai pas
Porophyllum tagetoides DC.	Coyacán	12.8.11	n'ai pas

Erixis frutescens R.Br.	Acatzinco	10.8.11	n'ai pas reçu	
Baccharis ...	Hda. Guadalupe	4.9.11	n'ai pas	
Stevia nepetaefolia H.B.K.	San Baltazar	12.7.11	n'ai pas	
Hymenoxys chrysanthemoides D.C.	Acatzinco	15.8.11	6102	20.8.11
Stevia pilosa Lag.	"	10-8.11	6112	
Conyza coronopifolia HBK	R. Posadas	11.5.11	n'ai pas	
Aster Ellioti Torr & Gray	S. Pablo Colegio	21.6.11	n'ai pas	Cult?
— "	Sta Barbara	10.7.11	n'ai pas	
Ipomaea murucoides L.	Tepozuchitl	20.7.11	n'ai pas	
— Batatas L.	S. Pedro Colegio	20.6.11	n'ai pas	Cult!
Vaccinium angustifolium Bentth.	La Venta	16.11.11	n'ai pas	
Maurandia semperflorens Ait	San Baltazar	11.6.11	n'ai pas	
Silvia serpyllifolia Bentth	R. Posadas	11.6.10	140	15.3.09
Veronica palita Fée	S. Baltazar	10.4.11	n'ai pas	
Hama undulatum H.B.K.	Tepozuchitl	12.7.11	5846	
Persea gratissima	Puebla	27.8.10	n'ai pas	
Cassia crotalarioides Kunth	R. Posadas	5.4.11	n'ai pas	
Vicia sativa L. v. angustifolia L.	Sta Bárbara	1.3.11	n'ai pas	
Psoralea rhombifolia Cav.	Huejotzinco	7.11.11	n'ai pas	
Indigofera Leptosepala L.	Batán	16.4.11	5842	
Poinciana Gillesii Hook.	San Martin	20.8.10	n'ai pas	cult?
Lupinus leptophyllus Cham.	San Cristo	10.6.11	n'ai pas	
Dalea eroides Bentth.	Huejotzinco	7.11.11	5947	
— Wrightii Gray	Fort Loretta	4.8.11	n'ai pas	
Asparagus officinalis L.	San Pedro (Colegio)	11.5.11	n'ai pas	Cult!
Aphyllon ludovicianum Gray	Cholula	28.10.11	n'ai pas	
Fuchsia globosa Don	S. Pedro	10.6.11	n'ai pas	Cult!
— macrostemma Ruiz	"	10.6.11	n'ai pas	Cult!
— coccinea Ait.	"	14.7.11	n'ai pas	cult!
Adolphia infesta Meisn.	Tlaxcala	23.12.11	n'ai pas	
Clematis nervata Bentth.	H. Alamos	10.11.11	n'ai pas.	

Alchemilla hirsuta H.B.K	Hac. Alamos	7.9.1911	5930	4.9.11
Coffea arabica L.	Atlixco	24.11.11	n'ai pas	
Relbunium diffusum Cham.	Hda Guadalupe	4.10.11	5904	
Petunia parviflora L.	Cholula	14.7.10	n'ai pas	
Saxifraga cinguiata Will.	San Ignacio	10.3.11	n'ai pas	Cult ?
Cestrum persicifolium Dunal	Oaxaca	14.12.11	6153	
— roseum H.B.K.	H. Noria	10.10.11	n'ai pas	
Tamarix parviflora D.C.	Mazoraggo	10.4.11	n'ai pas	Cult ?
Verbena ciliata Benth.	S. Baltazar	22.5.11	n'ai pas	
Foeniculum vulgare Gaertn.	Acatzingo	15.8.11	n'ai pas	
Petroselinum sativum Hoffm	S. Pedro cok.	12.5.12	n'ai pas	cult !
Arracacia ...	H. Alamos	15.6.11	n'ai pas	
Pastinaca sativa L.	H. Noria	20.8.11	n'ai pas	
Gnaphalium spicatum Lamk.	R. Posadas	25.6.09	188	
— canescens D.C.	d°	1.8.09	Sans N°	
— roseum H.B.K.	Manzanilla	12.11.09	sin N°	
Galinsoga parviflora Cav.	R. Posadas	25.9.09	sin N°	
— brachystephana Regel	d°	1.8.09	sin N°	
Florestina pedata Cass.	d°	30.7.09	sin N°	
Flaveria repanda Lag.	d°	25.5.09	sin N°	2.4.09
Euphrosyne partheniifolia D.C.	d°	24.7.09	sin N°	
Eupatorium spinacifolium Schl.	d°	1.10.09	sin N°	
———	Manzanilla	27.12.10	Sp. 5092	27.12.09
———	Coscomatepec de Bravo	18.4.11	Sp? Coscomatepec	25.5.09
— pulchellum H.B.K	R. Posadas	24.8.09	sin N°	
— calaminthaefolia H.B.K.	H. Noria	24.2.09	36, 39	20.2.09
— adenophorum H.B.K.	Manzanilla	22.10.10	5562, ageratoides L.	27.10.10
— deltoideum Jacq.	d°	cf. dates 27.10.10	5561	7.10.10
— collinum D.C.	d°	14.11.11	n'ai pas	
Erythrolaena conspicua Sw.	R. Posadas	2.4.09	sin N° : Cuicuis	
Erigeron canadense D.C.	d°	6.4.09	sin N°	
— scaposum D.C.	d°	19.3.09	sin N°	

Encelia cordata Hemsl.	R. Posadas	25.9.1909	356
Dysodia pubescens Lag.	do	25.9.09	sine N°
Cosmos parviflorus H.B.K.	do	20.9.09	348
— bijinnatus Cav.	do	9.9.09	362
Conyza Sophiaefolia H.B.K	do	26.3.09	sine N°
Erigeron micronatus D.C.	do	25.9.09	353
Brickellia corymbosa Gray	L. I. Baltazar	27.10.10	sine N°
— veronicaefolia Gray	R. Posadas	1.10.09	sine N° 27.10.10
— Cavanillesii D.C.	Laguna del Panteon	10.2.09	sine N° Sta Barbara
— squarrosa Schultz	R. Posadas	15.10.09	387
——	Istaccihuatl	8.11.10	? sine N°
— californica Asa G.	Manzanilla	27.10.10	5520
Brachycarpa	R. Posadas	20.9.09	What?
Bidens pilosa	Batan	18.9.10	
— Leucantha Will.	R. Posadas	1.8.09	divers N°
— arguta H.B.K.	do	24.6.09	186
Berlandiera	Santa Ana Ch.	20.7.10	n'ai pas
Baccharis halimifolia L.	Hda Moria	10.3.10	5147
— ramulosa Gray	R. Posadas	25.3.09	19
— conferta H.B.K	Manzanilla	27.12.09	5090, 5091 27.3.09
— Alamanni	R. Posadas	10.6.09	sine N°
— sordescens D.C.	Tepoxuchitl	10.12.09	5055
Artemisia mexicana Watts.	do	20.8.10	5452
Achillea millefolium v. occitanicum Raf.	Chemin de Cholula	15.9.10	5442
Aganippea bellidiflora Mayr & Sesé	do	14.7.10	5293
Ageratum corymbosum Zucc.	Cholula	14.7.10	5254
—— ——	id.	14.7.10	- do.
Ambrosia artemisiaefolia L.	R. Posadas	20.6.09	179
Aphanostephus humilis Gray	S. Barbara	20.7.10	sine N°
Baccharis	Batán	3.11.09	n'ai pas
—— cuneata D.C.	St Barbara	10.5.09	sine N°
—— micronata H.B.K.	Manzanilla	27.10.10	5491 17.9.10

Viguiera excelsa B. & Hook.	Cholula, Tescalli	20.10.1909	sine N° 20.10.10
Verbesina	Ixtaccihuatl	8.11.10	5555 aff. auriculata D.C.
Vernonia serratuloides H.B.K.	Tepoxuchitl	27.10.09	5083 salicifolia Sch. Bip.
____	Batan	8.11.10	5516 Sinclairii Benth
Verbesina salicifolia HBK	R. Posadas	17.5.09	107
Eripolium subulatum Nees	do	15.8.09	267?
Eridax coronopifolia Hemsl.	Sta Barbara	20.7.09	5286
Eithonia tubaeformis Cass.	Posadas	15.10.09	sine N°
Tagetes lucida Car	Tepoxuchitl	30.6.10	sine N°
Eithonia speciosa HBK	Posadas	8.9.09	5161 10.5.10
Taraxacum dens-leonis Desf.	do	23.1.09	65
Tagetes micrantha Car	do	9.9.09	sine N°
____ patula L.	do	15.9.09	sine N°
Stevia Ehrenbergiana Schl.	Manzanilla	27.10.10	sine N°
____ punctata Pers.	Posadas	25.9.09	350
____ laxiflora D.C.	do	1.8.09	sine N° (or 328)
____ eupatoria W.	do	21.7.09	.223?
____ microchaeta Schultz	do	21.1.09	8 subpubescens Lag.
____ canescens H.B.K.	do	10.10.09	sine N° punctata Pers.
____ rhombifolia H.B.K	do	1.10.09	sine N°
____ serrata Car.	do	1.7.09	sine N° punctata Pers.
____ micrantha	Cholula	15.9.10	5482
____ nepetifolia HBK.	R. Posadas	20.9.09	sine N°
Spilanthes beccabunga D.C.	do	1.8.09	n'ai pas reçu
Schkuhria virgata D.C.	Laguna S. Baltazar	1.8.09	sine N°
Sonchus oleraceus L.	Posadas	7.3.09	34
Siegerbeckia orientalis L.	Ixtaccihuatl	8.11.10	sine N°
Senecio ___	Tepoxuchitl	30.6.10	sp.? sine N°
____ peltatus H.B.K.	do	20.10.10	sine N° peltiferus Hemsl.
____ peltiferus Hemsl.	Ixtaccihuatl	8.11.10	sine N°
____ Roldana D.C.	do	8.11.10	sine N°

Senecio petasites D.C.	Manzanilla	27.12.09	sin N°
— Barba Joannis DC.	d°	27.12.09	5094
— zabulaefolius HBK	Posadas	20.9.09	334
— Saligmus DC.	d°	23.1.09	20
Sanvitalia villosa Cav.	d°	16.5.09	133
— procumbens Vill	Fort Loreto	4.8.11	5910 ? Posadas
Pyrethrum Parthenium Sm.	Jardins	15.2.10	5144
Pinaropappus roseus DC.	Posadas	15.5.09	sin N°
Perezia	Tepozotlitl	3.11.09	sp.? 5065 Batán.
Piqueria trinervia Cav.	Fort Guadalupe	5.7.09	245
Perezia fruticosa Llav. & Lex.	Tepozotlitl	27.10.10	5084
Perymenium Bervantesii DC.	Sta Barbara	16.7.10	5267
Pyrethrum indicum Cass.	San Pedro	10.1.10	sin N° Cult!
Pectis multiflosculosa HBK	Posadas	29.8.09	296
Montanoa clematidea Walp.	Cholula, Tecali	20.10.09	393
— arborescens DC.	Tepozotlitl	7.10.10	5507
Melampodium montanum	d°	30.6.10	5206
— rhomboideum DC.	Cerro Loreto	10.9.10	5447
Montanoa tomentosa Llav. & Lex.	Posadas	10.10.09	sin N°
Lagascaea rubra HBK.	d°	10.10.09	376
Lostephana tripartita Hemsl.	Tepozotlitl	7.8.10	5408
Hieracium ...	Cholula	14.7.10	5242=533 H. nicolasii Blake.
Helenium mexicanum HBK	Camino Cholula	14.7.10	5251
Heterotheca inuloides Cass.	R. Posadas	24.6.09	24.5.09
Haplopappus gymnocephalus DC	d°	5.5.09	sin N°
Gnaphalium gracile D.C.	d°	1.6.09	sin N°
Zinnia elegans Jacq. v. gracilis	d°	29.8.09	sin N°

Here, in the list received from the Museum (Paris) follows the names of Gramineae. In your Catal. this list is with the Grasses, page 180.

Escobedia scabrifolia R.P.	Hac. Guadalupe	25.6.1911	5902
Gerardia peduncularis Benth.	Hac. Alamos	4.9.11	5929
Escobedia linearis Schl.	Laguna S. Baltazar	15.9.10	5483
Buchnera elongata Sw.	Coyoacán	27.10.10	5050 27.10.09
Castilleja canescens Benth.	Rancho Posadas	4.4.09	40
— scorzonerifolia H.B.K.	d°	24.10.09	5081
Herpestis Monnieri H.B.K.	d°	7.4.09	50
— chamaedryoides H.B.K.	Sta Barbara	30.6.10	5272 20.7.10
— d°	Acatzingo	15.11.10	5595
—	R. Posadas	15.3.09	140
Lamourouxia multifida H.B.K	Batán	3.11.10	n'ai pas reçu
— linearis Benth.	Fort Guadalupe	25.10.09	401. R. Posadas 25.10.09
Mimulus luteus L.	R. Posadas	14.4.09	44
Pentstemon barbatus Hort	d°	10.5.09	136
— campanulatus Will.	d°	1.8.09	sans n°
Sibthorpia mexicana Zucc.	Río S. Francisco	14.7.10	sans n°
Pedicularis mexicana Zucc.	Puente de Mexico	1.8.09	232
Acalypha phleoides Mart.	R. Posadas	1.6.09	159
— mollis Kunth.	Pt. de Mexico	5.11.09	5089
Euphorbia laccera Boiss.	Coyoacán	20.8.10	5433
— lathyris L.	San Ignacio (Jardin)	20.7.10	5324 Semé.
— Presli Guss.	R. Posadas	1.8.09	225
— peplis L.	Paseo viejo Puebla	21.2.09	sans n° 20.2.09
— graminea Jacq.	Posadas	25.9.09	352
— radians Benth	d°	14.2.09	— — 121
— adenoptera Benth.	d°	15.5.09	— 123
— adiantoides Boiss	d°	1.10.09	— — 370
— dentata Mich.	d°	25.8.09	— 291
— mutans Presli	Coyoacán	16.7.10	— 5297, Presli

Croton californicus Muell.	Acatzino	12.12.1910	5074	12.12.1909
Stillingia sylvatica L.	Eeporuchitl	30.7.10	5220	30.6.10
Phytolacca octandra L.	Fort Guadalupe	4.4.09	42	
Philadelphus affinis Schl.	San Ignacio Colleg	10-6.10	171 R. Posadas 10.6.09	Cult!
Fumaria leucantha Will.	Posadas	22.5.09	sine N°	
Halenia parviflora Don	Hda Guadalupe	25.9.10	5432	
Limnanthemum Humboldtianum Gr.	Eeporuchitl	10-8.10	5416	
Gentiana Spathacea Kunth	do	12.12.10	5056	12.12.09
Erythraea texensis Griseb.	R. Posadas	4.5.09	29	4.3.09
Erodium millefolium Will.	Hda Cristo	12.12.10	5717	
— morarense Will.	R. Posadas	15.10.09	388	
Geranium lamuginosum Jacq.	do	20-9.09	388 Carolin. var la.	
— Carolinianum Schl.	do	10-9.09	n'ai pas reçu	
Pelargonium peltatum Solander	San Pedro (Colleg)	15.4.10	plusieurs N°s	Cult!
— zonale Will	do	15.12.09	6182 ?	
Nama dichotoma Choisy	Camino Cholula	14-7.10	sine N°	
Wigandia caracasana H.B.K.	Fort Loreto	12.12.09	n'ai pas	
Hypericum pratense Schl.	Sta Barbara	20-7.10	5311	
Gladiolus psittacinus	San Pedro Colleg	10.5.10	5810	Cult!
Jasminum revolutum Sims	San Ignacio Colleg	10.10.09	377 15.9.09	Cult!
Juncus cognatus Kunth.	Eeporuchitl	16-7.10	sine N° J. balticus v. mexicanus	
— nodosus L.	do	16.7.10	sine N°	
— capillaceus Lamk.	R. Posadas	4.4.09	145 J. balticus v. mexicanus	
Salvia hispanica L.	Manzanilla	20.11.11	6114	
Brunella aequinoxialis H.B.K.	Sta Bárbara	20.7.10	5276	
— — Kunth	Puente de Mexico	5.7.09	n'ai pas	
Marrubium vulgare L.	R. Posadas	21.1.09	sine N° 10.10.09	
Mentha rotundifolia L.	do	5.5.09	116	
Rosmarinus officinalis L.	San Ignacio	2.12.10	sine N°	Cult!
Salvia elegans Vahl.	Manzanilla	27.10.09	5089 27.12.09	
— involucrata Cav.	S. Ignacio	20.7.10	5405 24.7.10	Cult?

Salvia tiliaefolia Vahl.	Rancho Posadas	25.8.1909	290
— obtusa Mart & Gal.	Zacatepec (camino Huejotzinco)	4.11.10	5535 Cholula, tecalli.
— scorodoniaefolia Cav.	Fort Guadalupe	10.10.09	385
— sicarnata Cav.	d°	20.10.09	395 Cholula 20.10.09
— prunelloides H.B.K.	Laguna S. Baltazar	30.7.09	215
— polystachya Ort.	R. Posadas	8.9.09	sin N°
— xalapensis Benth.	d°	10.10.09	372
Stachys agraria Schl.	Manzanilla	16.4.09	46
Scutellaria scarlatina Lind.	Río S. Francisco	1.8.09	221 S. Drummondii Benth.
Conopholis americana Will.	Manzanilla	12.4.09	109
Cranichis ...	Hda Guadalupe	26.9.10	sin N°
Spiranthes	R. Posadas	15.9.09	sont à Spiranthes Sp?
—— ...	d°	5.5.09	
— ...	d°	20.8.11	
Habenaria filifera Nut.	Teposuchitl	4.8.10	5420
Spiranthes ...	d°	7.11.10	à Sp?
Cranichis ...	Fort Guadalupe	20.9.09	sin N°
Cattleya citrina Lind.	Acatzinco	12.4.10	sin N°
Oxalis corniculata v. microphylla	R. Posadas	1.7.09	191
— — L.	Canvia de Manzanilla	14.4.09	45
— latifolia H.B.K.	Posadas	20.5.09	118
— decaphylla H.B.K.	Sta Bárbara	25.6.10	5215
Papaver hortense Huss.	San Ignacio	10.12.09	sin N° 10.12.10 Cult!
Argemone mexicana L.	R. Posadas	15.1.09	62
Passiflora bryonioides H.B.K.	Sta Bárbara	20.6.10	5193
— stipulata Aubert	Puente de Mexico	6.10.10	5563 26.10.10
Drymeria cordata Will.	R. Posadas	1.10.09	369
Martynia fragrans Lind.	Cholula (tecalli)	14.6.10	sin N°
Peperomia	Puente de Mexico	14.10.09	sin N°
—— umbilicata Ruiz	Teposuchitl	20.6.10	sin N°

Plantago major L.	Rancho Posadas	15.4.1909	sine N°
— Schiedeana D.C.	do	15.3.09	82
— Zorullensis H.B.K.	Sta Bárbara	20.6.10	5279
Polygala myrtifolia W.	S. Ignacio	15.9.10	5696 Cult!
Monnina xalapensis H.B.K.	Huejotzingo	4.11.10	5558
— —	Manzanilla	19.11.09	5041
Polygala mexicana Cav.	Sta Bárbara	25.6.10	I have 5216 P. Scoparia
Krameria cuspidata Pres	do	25.6.10	5217
Polygala alba Nutt.	R. Posadas	3.4.09	sine N°
Cobaea scandens Cav.	San Pedro	11.5.10	sine N° Cult!
Loeselia scariosa Mart & Gal.	Acatzingo	12.12.09	sine N°
— Coccinea D.C.	Posadas	10.10.09	380
— rupestris Benth.	Fort Lorette	20.11.10	5046 20.11.09
Polygonum aviculare L.	Posadas	4.4.09	67
— persicaria L.	Hda Noria	20.6.09	177 R. Posadas
— acre H.B.K.	do	20.6.09	sine N°
Rumex crispus L.	Posadas	2.4.09	76
— pulcher L.	do	19.3.09	88
Mesembryanthemum cordifolium L.	Hacienda Noria	15.7.09	273
Portulaca villosa L.	Mayorazgo	25.7.09	sine N°
Talinum ebracteatus H.B.K	Posadas	4.3.09	87
Anagallis arvensis L.	do	10.4.09	66
Ceanothus coerulens Lag.	La Venta	15.12.10	sine N°
Rhamnus caprecefolia Schl.	Batan	16.4.11	n. ai pas acqu
— serrulatus H.B.K	Hda Noria	10.3.10	sine N°
Clematis sericea Kunth	Ixtaccihuatl	8.11.10	sine N° Sp?
— mociniana Dombey	Mayorazgo	4.8.09	233
Delphinium ajacis L.	San Pedro	25.6.10	5175 or 5044 Cult!
Ranunculus dichotomus Moc.	Sta Bárbara	20.6.10	5226
— delphinifolius H.B.K.	Coyoacchil	10.6.10	5198 & 5164
Thalictrum longistylum D.C.	R. Posadas	1.8.10	(5168 Hda Noria 20.5.10)

Reseda luteola L.	Rancho Posadas	20.1.1909	31	
Alchemilla ...	Manzanilla	12.11.09	sp? 5043	
Prunus salicifolia H.B.K.	Posadas	28.1.09	21	
Crataegus pubescens H.B.K	do	19.3.09	3	
Alchemilla sibbaldiaefolia H.B.K	do	25.9.09	361	
Casimiroa edulis Llave	Hda Cristo	12.12.09	5054	Cult!
Citrus Bigaradia Risk	San Ignacio	20.12.09	5028 St Vincent 20.12.10	Cult! (Same place)
Relbunium microphyllum Gray	Sta Barbara	30.6.10	5221	
— ...	Cholula	14.7.10	5258 sp!	
Spermacoce ocimoides DC.	Puente de Mexico	20.9.10	Serie 2°	
Galium asperrimum Gray	Sta Bárbara	20-7.10	5274	
Bouvardia longiflora H.B.K.	Popocatepetl	30-6.10	5205	
— hirtella H.B.K.	Sta Barbara	20.6.10	5184	
Galium canescens H.B.K.	R. Posadas	26.10.09	184 26.2.09	
— obovatum H.B.K.	do	1.10.09	101 & 368	
Crusea subulata H.B.K.	do	9.9.09	367 1.10.09	
Borreria verticillata DC.	Manzanilla	3.7.09	254	
Bouvardia triflora H.B.K.	Fort Guadalupe	5.7.09	122 triphylla H.B.K.	
— triphylla Salisb.	R. Posadas	15.5.09	Serie No	
— longiflora H.B.K.	Fort Loretto	20.6.10	5185	
— Jacquini H.B.K.	Santa Ana Chiautempan	20.7.10	5300	
Cardiospermum molle H.B.K	Cholula	15.9.10	5491, 5494	
Dodonaea viscosa L.	Cerro Loreto	15.10.10	5697	
Cardiospermum coluteoides H.B.K.	Cholula, Tecalli	14.7.10	5239	
Bugnansia candida Kers	S. Ignacio	25.9.09	n'ai pas	Cult!
Cestrum Hartwegii Dunal	Huejotzinco	4.11.10	5532	
— persicaefolium Dunal	Ixtaccihuatl.	8.11.10	5545	
Datura ceratocaula Jacq.	Laguna S. Baltazar	3.7.09	Serie N°	
Habrothamnus fasciculatus Mich.	Posadas	7.4.09	— 113	
Nicotiana glauca Graham	S. Baltazar	5.8.09	sans N° 2.4.09	
Petunia parviflora Juss	do	5.8.09	Serie N°	

Physalis Jacquini Lind.	Rancho Posadas	15.5.1909	sine No
— laeteus Roi	dº	9.9.09	sine nº
Solanum bulbocastanum Dl.	Hda Cristo	3.7.09	sine nº, ai: Sta Barbara 3.7.10
— lanceolatum L.	Posadas	8.3.09	12
— bulbosum L.	Cholula (Teocalli)	14.7.10	sine nº. What? see p. 111.
— triquetrum Cav.	San Ignacio	10.10.10	5694 ai 20.10.10 Cult?
Cestrum aurantiacum HBK	Santa Ana Ch.	2.12.09	5060
Datura Stramonium L.	Cholula	14.7.10	sine nº
Physalis chenopodifolia Lamk.	R. Posadas	23.7.09	sine nº.
Populus alba L.	R dº	8.10.10	sine nº
Salix taxifolia HBK	Batan	22.12.09	5076
— bonplandiana Kunth	Posadas	2.4.09	22 : 26.3.09
— babylonica L.	dº	25.3.09	15 : 2.4.09
Nierembergia ...	Teposuchitl	10.7.10	236 . 16.7.10
Solanum Cervantesii Lag.	Huejotzingo	4.11.10	5559
— mexicanum Moc.	Pont de Mexico	12.12.09	5069
Solandra grandiflora Sw.	San Ignacio	10.8.09	276 Cult!
Nicandra physalodes L.	dº	10.12.09	5051 Cult!
Nicotiana tabacum L.	dº	20.12.09	sine nº Cult!
Solanum corymbosum Jacq.	Posadas	14.2.09	11
— gracile Miton	dº	20.6.09	10 : 14.2.09
— rostratum Dl.	dº	1.6.09	157
Schinus molle L.	dº	14.1.09	n'ai pas reçu
Typha Domingensis Pers	dº	15.10.09	403
Hydrocotyle ranunculoides L.	H. Guadalupe	20.9.11	n'ai pas
Apium ammi L.	Santa Bárbara	20.7.10	sans nº Cult.
— graveolens L.	R. Posadas	2.4.09	sine nº
Lantana camara L.	Acatzino	14.11.11	sine nº 1909
Apium petroselinum L.	R. Posadas	28.1.09	sine nº Cult!
Eryngium carlinae Delarbr. v. decumbens DC	— dº —	17.5.09	sine nº
Smyrnium olusatrum HB.K	H. Nopia	10.5.10	5167 = 485 j'ai 10.5.09 à Montp. 10.5.10

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Sium angustifolium	Cholula	14.7.1910	Sin. No
Fœnículum vulgare Gaertn	Acatzinco	15.5.12	n'ai pas vu
— dulce Bauhin	Camino Cholula	14.7.09	5249
Coriandrum sativum L.	S. Ignacio	24.12.09	Sin. N° Cult!
Eulophus peucedanoides Benth.	Rio S. Francisco	1.8.09	222
Hydrocotyle americana Lamk	S. Martin	9.11.10	Sin. N°, Ste Barbara
Parietaria pennsylvanica Muller	R. Posadas	4.10.09	371
Urtica procera Muller	H. Noria	20.6.09	Sin. N°
— flabellata Kunth	R. Posadas	15.5.09	135
Valeriana	Coyoacan	20.6.10	5176=480 V. tolucana DC.
——	Batán (aqueduc)	20.11.10	? 5574
— sorbifolia H.B.K.	R. Posadas	9.9.09	323
Verbena chamaedryfolia	S. Pedro (Collège)	20-1.10	Sin. N°
Lippia nodiflora Rich.	R. Posadas	14.2.09	92
Verbena littoralis H.B.K.	do	2.4.09	Sin. N°
Duranta plumieri Jacq	San Ignacio (Collège)	20-6.09	5315 16.7.10 Cult!
Lantana velutina Donn.	Tlaxcala	20.7.10	5290
Verbena elegans H.B.K.	R. Posadas	28.1.09	Sin. N°. 20.1.09
Lippia citriodora Kunth.	S. Pedro	1.7.09	194 Cult!
Verbena caroliniana L.	R. Posadas	22.6.09	Sin. N°
— canescens H.B.K.	do	20.6.09	Sin. N°
Viola hirta L.	San Ignacio	15.1.11	5802 V. villiata Schlecht. Cult!
Jonidium verbenaceum H.B.K.	Fuente Guadalupe	20-6.10	5213
Tribulus maximus L.	Acatzinco	15.11.10	5596
Canna flacida Dill.	S. Ignacio (Coll.)	20.11.1911	n'ai pas vu Cult!

Il est regrettable que le Fre Nicolas, dans sa hâte à former son herbier en quittant le Mexique, n'ait pas copié plus exactement ses data. — Il pourrait bien se faire que les véritables data soient ceux qui sont inscrits au catalogue, car ils ont été copiés sur les petits bouts de papier employés par F. Nicolas au fur et à mesure de ses récoltes; ces étiquettes étaient celles des doubles remis au Fr. Arsène.

(Déc. 1931)

Type

Type locality

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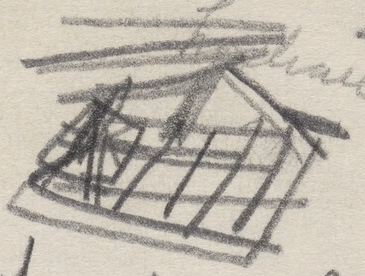

1870 only 4 yrs. of graded